

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK
for an oil well or gas well

NAME OF COMPANY OR OPERATOR Prairie Energy Corporation DATE 12/21/82
8600 West 110th Street STE 202 Overland Park Kansas 66210
Address City State

DESCRIPTION OF WELL AND LEASE			
Name of lease <u>Williams</u>	Well number <u>1</u>	Elevation (ground) <u>985</u>	
WELL LOCATION (give footage from section lines) <u>1951</u> ft. from (N) <input checked="" type="checkbox"/> sec. line <u>1199</u> ft. from (E) <input checked="" type="checkbox"/> sec. line			
WELL LOCATION Section <u>5</u> Township <u>46</u> Range <u>33</u>			County <u>Cass</u>
Nearest distance from proposed location to property or lease line: <u>600</u> feet		Distance from proposed location to nearest drilling, completed or applied for well on the same lease: <u>N/A</u> feet	
Proposed depth <u>600</u>	Drilling contractor, name & address <u>Layne-Western</u>	Rotary or Cable Tools <u>Rotary</u>	Approx. date work will start <u>1/3/83</u>
Number of acres in lease <u>176</u>		Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>1</u> Number of abandoned wells on lease: <u>unknown</u>	
If lease, purchased with one or more wells drilled, from whom purchased Name <u>N/A</u> Address _____		No. of Wells: producing _____ injection _____ inactive _____ abandoned _____	
Status of Bond Single Well <input type="checkbox"/> Amt. _____ Blanket Bond <input checked="" type="checkbox"/> Amt. <u>30,000</u>			<input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.			
Proposed casing program		Approved casing -- To be filled in by State Geologist	
amt.	size	wt./ft.	cem.
<u>25</u>	<u>7"</u>	<u>18</u>	<u>5 sacks</u>
<u>575</u>	<u>2 7/8"</u>	<u>6</u>	<u>70 sacks</u>
_____	_____	_____	_____
_____	_____	_____	_____
I, the undersigned, state that I am the <u>Land Manager</u> of the <u>Prairie Energy Corp.</u> (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.			
Signature <u>Stephen R. Hughes</u>			

Permit Number #20377
Approval Date 1/17/83
Approved By Wallace B. Howe

- Drillers log required
- E-logs required if run
- Core analysis required if run
- Drill stem test info. required if run
- Samples required
- Samples not required

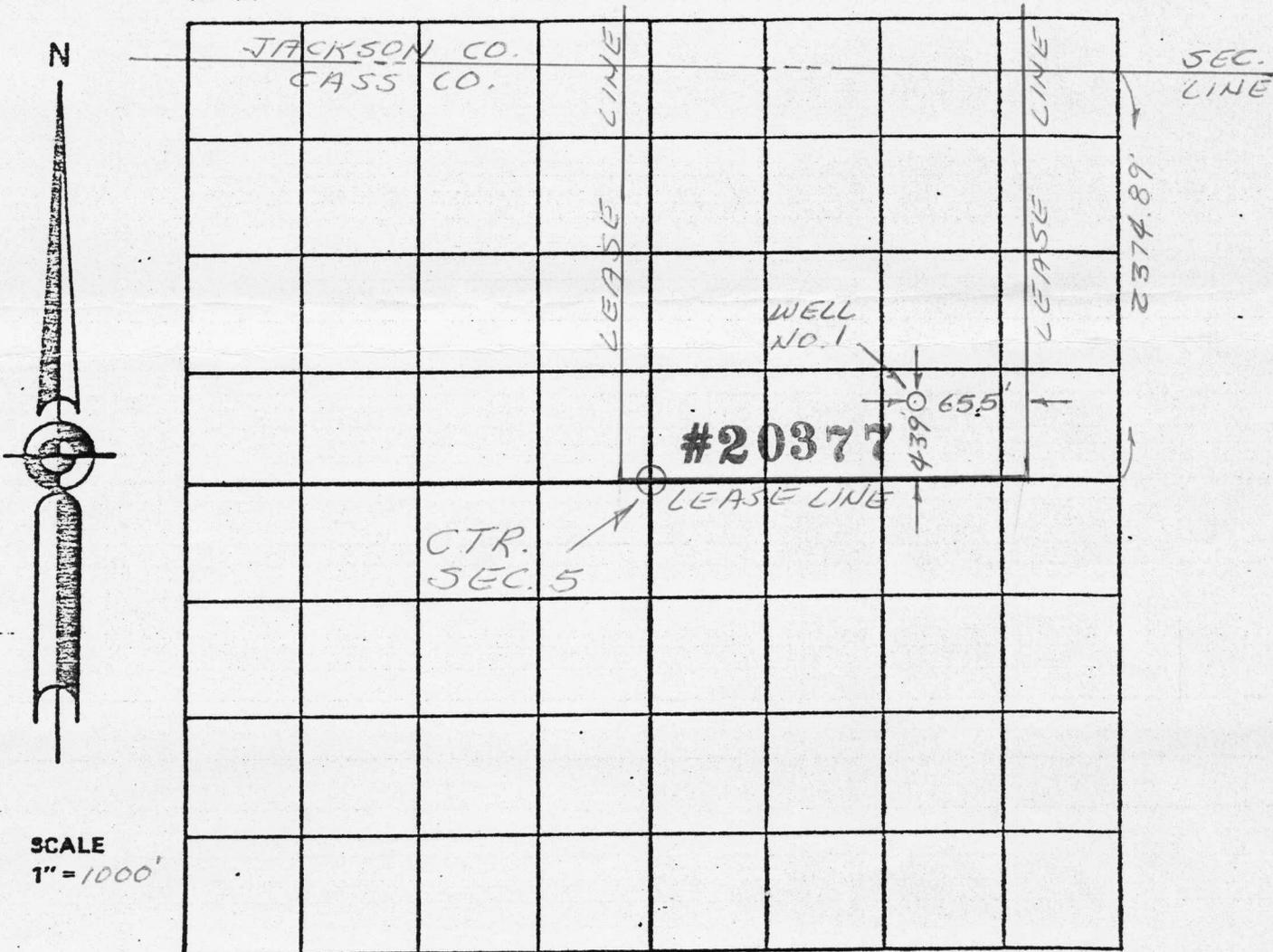
Note: This Permit not transferable to any other person or to any other location.
Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401
One will be returned for driller's signature
JAN 17 1983
MO. OIL & GAS COUNCIL
WATER SAMPLES REQUIRED @ _____

MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

Form OGC-1

Owner: PRAIRIE ENERGY CORP.

Lease Name: WILLIAMS County: CASS
1951 feet from North line and 1199 feet from East line
 of Sec. 5, Twp. 46 N., Range 33
 (N) - (S) (E) - (W)



REMARKS: Well No. 1
Elevation 985

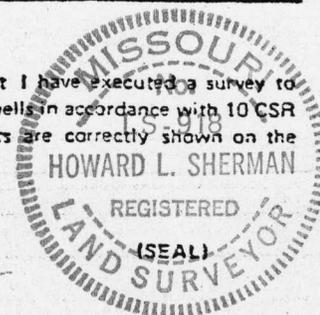
INSTRUCTIONS

On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements.

This is to Certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

JAN 17 1983

MISSOURI OIL & GAS COUNCIL



Remit two copies to: Missouri Oil and Gas Council
 P.O. Box 250, Rolla, Mo. 65401
 One will be returned.

Howard L. Sherman 918
 Registered Land Surveyor Number

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well Workover Deepen Plug Back Injection Same Reservoir Different Reservoir Oil Gas Dry

Owner Prairie Energy Corporation		Address 8600 West 110th Street STE 202 Overland Park, Kansas 66210	
Lease Name Williams		Well Number 1	
Location 1951' FNL, 1199' FEL		Sec., Twp., and Range or Block and Survey Sec. 5, T46, R33	
County Cass	Permit number (OGC 3 or OGC 31) 20377		
Date spudded 1/7/83	Date total depth reached 1/12/83	Date completed, ready to produce or inject	Elevation (DF, RKR, RT, or Gr.) feet 985'
Total depth 582	P. B. T. D.		

Producing or injection interval(s) for this completion Squirrel		Rotary tools used (interval) From <u>0</u> to <u>TD</u>	Cable tools used (interval) From _____ to _____
Was this well directionally drilled? no	Was directional survey made? no	Was copy of directional survey filed? no	Date filed -
Type of electrical or other logs run (list logs filed with the State Geologist) Electric, Gamma Ray Neutron			Date filed attached

CASING RECORD

Casing report all strings set in well - conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb. ft.)	Depth set	Sacks cement	Amt. pulled
surface	12"	7"		40'	35	
production	6 1/2"	4 1/2"		580'	81	

TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)
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PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amount and kind of material used	Depth Interval
9 shots		511-515	80 bbl water, 40 sacks sand, 1 carboid acid	511-515

INITIAL PRODUCTION

Date of first production or injection 1/28/83	Producing method (indicate if flowing, gas lift, or pumping - if pumping, show size and type of pump) pumping, 5' insert pump					
Date of test 1/28	Hrs. tested	Choke size	Oil produced during test bbls.	Gas produced during test MCF	Water produced during test bbls.	Oil gravity 23 API (Corr.)
Tubing pressure	Casing pressure	Cal'ed rate of Production per 24 hours	Oil 2 bbls.	Gas - MCF	Water 1 bbls.	Gas - oil ratio

Disposition of gas (state whether vented, used for fuel or sold): **N/A**

Method of disposal of mud pit contents:
buried

CERTIFICATE: I, the undersigned, state that I am the Land Manager of the Prairie Energy Corporation (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge

CONFIDENTIAL

Tight Hole until 4-1-84

Stephen R. Hughes
Signature Stephen R. Hughes

RECEIVED

APR 01 1983

PLUGGING RECORD

Owner Prairie Resources Corp		Address c/o Mack C. Colt, Inc., Box 388, Iola, Ks. 66749			
Name of Lease Williams		Well No. 1	Permit Number (OGC-3 or OGC-3I number) 20377		
Location of Well 1951 FNL 1199 FEL		Sec-Twp-Rng or Block & Survey 5-46-33		County Cass	
Application to drill this well was filed in name of Prairie Energy Corp		Has this well ever produced oil or gas? Yes	Character of well at completion (initial production) Oil (bbbls/day) 2		Dry? Gas (MCF/day) -----
Date Abandoned 1986	Total depth 582	Amount well producing prior to abandonment Oil (bbbls/day) .25		Water (bbbls/day) -----	
Name of each formation containing oil or gas. Indicate which formation open to well bore at time of abandonment.		Fluid content of each formation	Depth interval of each formation		Size, kind, & depth of plugs used. Indicate zones squeeze cemented, giving amount cement.
SQUIRREL		oil	511-515		hooked on top tubing pumped 40 sacks to squeeze squirrel sand
Size pipe	Put in well (ft)	Pulled out (ft)	Left in well (ft)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
7	40	3	37	torch	
2 7/8	580	3	577	torch	-----
Was well filled with mud-laden fluid?		Indicate deepest formation containing fresh water.			
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name		Address		Direction from this well:	
Method of disposal of mud pit contents:					
Use reverse side for additional detail.					
File this form in duplicate with					
CERTIFICATE: I, the undersigned, state that I am the <u>Agent</u> of the <u>Prairie Resources Corp</u> (Company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.					
				Signature <u><i>Dennis K. ...</i></u>	

Remit two copies to Missouri Oil and Gas Council
P.O. Box 250, Rolla, MO 65401
One will be returned.

RECEIVED
NOV 30 1987

MO Oil & Gas Council
Economic Geology

3/12/82

TEST BORING LOG

Project Prairie Energy Corporation
 Address 156th & Holmes Road
 City & State Cass County, Missouri

Boring No. Williams #1 Sheet 1 of 4
 Surface Elevation _____ Offset _____
 Date Started 1/7/83 Completed 1/12/83
 Driller V. Campbell Rig D-15

Abbreviations: A.O. - Auger Only R.B. - Rock Bit C.W. - Core Water
 H.A. - Hollow Auger S.S. - Split Spoon C.A. - Core Air
 W.B. - Wash Bore S.T. - Shelby Tube F.B. - Finger Bit

DEPTH		METHOD	PENETRATION RECORD		CORE RECOVERY	SAMPLE DESCRIPTION COLOR-MATERIAL-MOISTURE-CLAY CONSISTENCY SAND DENSITY
FROM	TO		POCKET PENETRO-METER	NO. OF BLOWS		
0.0'	3.0'	RB				Brown clay
3.0'	5.0'	RB				Brown shale
5.0'	14.0'	RB				Gray limestone
14.0'	30.0'	RB				Gray shale
30.0'	34.0'	RB				Red shale
34.0'	42.0'	RB				Gray shale
42.0'	50.0'	RB				Gray limestone
50.0'	52.0'	RB				Black shale
52.0'	57.0'	RB				Gray shale
57.0'	59.0'	RB				Black shale
59.0'	75.0'	RB				Gray shale
75.0'	77.0'	RB				Gray limestone
77.0'	82.0'	RB				Gray shale
82.0'	84.0'	RB				Gray limestone
84.0'	100.0'	RB				Gray shale
100.0'	113.0'	RB				Gray limestone

CONFIDENTIAL
until 4-1-84

RECEIVED

APR 01 1983

MO. OIL & GAS COUNCIL

Continued
 REMARKS: (Casing, Water Loss, Etc.) _____ Water Level _____ Time _____ Date _____ (Completion)

TEST BORING LOG

Project Prairie Energy Corporation

Boring No. Williams #1 Sheet 2 of 4

Surface Elevation _____ Offset _____

Address _____

Date Started _____ Completed _____

City & State _____

Driller _____ Rig _____

Abbreviations: A.O. - Auger Only R.B. - Rock Bit C.W. - Core Water
 H.A. - Hollow Auger S.S. - Split Spoon C.A. - Core Air
 W.B. - Wash Bore S.T. - Shelby Tube F.B. - Finger Bit

DEPTH		METHOD	PENETRATION RECORD		CORE RECOVERY	SAMPLE DESCRIPTION <small>COLOR-MATERIAL-MOISTURE-CLAY CONSISTENCY SAND DENSITY</small>
FROM	TO		POCKET PENETRO-METER	NO. OF BLOWS		
113.0'	115.0'	RB				Gray shale
115.0'	127.0'	RB				Gray limestone
127.0'	131.0'	RB				Black shale
131.0'	137.0'	RB				Gray shale
137.0'	155.0'	RB				Gray limestone
155.0'	160.0'	RB				Black shale
160.0'	163.0'	RB				Gray limestone
163.0'	167.0'	RB				Gray shale
167.0'	175.0'	RB				Gray limestone
175.0'	187.0'	RB				Gray sandstone
187.0'	270.0'	RB				Gray shale
270.0'	290.0'	RB				Gray sandstone
290.0'	330.0'	RB				Gray shale
330.0'	335.0'	RB				Red shale
335.0'	340.0'	RB				Gray sandstone
340.0'	350.0'	RB				Gray shale

REMARKS: ^{Continued} (Casing, Water Loss, Etc.) _____ Water Level _____ Time _____ Date _____ (Completion)

TEST BORING LOG

Project Prairie Energy Corporation
 Address _____
 City & State _____

Boring No. Williams #1 Sheet 3 of 4
 Surface Elevation _____ Offset _____
 Date Started _____ Completed _____
 Driller _____ Rig _____

Abbreviations: A.O. - Auger Only R.B. - Rock Bit C.W. - Core Water
 H.A. - Hollow Auger S.S. - Split Spoon C.A. - Core Air
 W.B. - Wash Bore S.T. - Shelby Tube F.B. - Finger Bit

DEPTH		METHOD	PENETRATION RECORD		CORE RECOVERY	SAMPLE DESCRIPTION COLOR-MATERIAL-MOISTURE-CLAY CONSISTENCY SAND DENSITY
FROM	TO		POCKET PENETRO-METER	NO. OF BLOWS		
350.0'	353.0'	RB				Gray limestone
353.0'	354.0'	RB				Black shale
354.0'	358.0'	RB				Gray shale
358.0'	361.0'	RB				Gray limestone
361.0'	366.0'	RB				Gray sandy shale
366.0'	379.0'	RB				Gray limestone
379.0'	382.0'	RB				Gray shale
382.0'	387.0'	RB				Gray sandstone
387.0'	395.0'	RB				Gray shale
395.0'	400.0'	RB				Gray limestone
400.0'	404.0'	RB				Black shale
404.0'	410.0'	RB				Gray sandstone w/trace oil
410.0'	413.0'	RB				Gray sandy shale
413.0'	422.0'	RB				Gray shale
422.0'	430.0'	RB				Red shale
430.0'	435.0'	RB				Black shale

Continued
 REMARKS: (Casing, Water Loss, Etc.) _____ Water Level _____ Time _____ Date _____ (Completion)

TEST BORING LOG

Project Prairie Energy Corporation

Boring No. Williams #1 Sheet 4 of 4

Surface Elevation _____ Offset _____

Address _____

Date Started _____ Completed _____

City & State _____

Driller _____ Rig _____

Abbreviations: A.O. - Auger Only R.B. - Rock Bit C.W. - Core Water
 H.A. - Hollow Auger S.S. - Split Spoon C.A. - Core Air
 W.B. - Wash Bore S.T. - Shelby Tube F.B. - Finger Bit

DEPTH		METHOD	PENETRATION RECORD		CORE RECOVERY	SAMPLE DESCRIPTION COLOR-MATERIAL-MOISTURE-CLAY CONSISTENCY SAND DENSITY
FROM	TO		POCKET PENETRO-METER	NO. OF BLOWS		
435.0'	490.0'	RB				Gray shale
490.0'	495.0'	RB				Gray sandy shale
495.0'	508.0'	RB				Gray shale
508.0'	510.0'	RB				Gray sandstone, oil
510.0'	514.0'	CW1				Gray sandstone, oil
514.0'	530.0'	CW1			20.0'	Gray shale
530.0'	543.0'	RB				Gray shale
543.0'	557.0'	RB				Black shale
557.0'	559.0'	RB				Brown limestone
559.0'	582.0'	RB				Gray shale
582.0'	Total depth					

REMARKS: (Casing, Water Loss, Etc.) _____ Water Level _____ Time _____ Date _____ (Completion)
 Set 40' of 7" surface casing. Drilled 4½" hole to 510' and reamed to 6-1/4". 6-1/4" hole to 582'.
 Set 557' of 4" surface casing.

Temporary No. _____

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES, ROLLA, MISSOURI

COUNTY Cass
 COMPANY OR OWNER Prairie Energy Corporation
 FARM Williams WELL NO. 1
 LOCATION 1951' FNL, 1199' FEL SEC 5 T 46N R 33W
 CONTRACTOR/DRILLER V. Campbell
 COMMENCED 01-07-83 COMPLETED 01-12-83
 PRODUCTION oil; 2 bbls/day
 CASING RECORD _____
 WATER RECORD _____
 SOURCE OF LOG _____
 REMARKS OGC #20377

MGS LOG NO. Driller's

-+--	-+--	-+--	-+--
-+--	-+--	-+--	-+--
-+--	-+--	-+--	-+--
-+--	-+--	-+--	-+--

NO. SAMPLES _____ SAMPLES RECEIVED _____

ELEV. 985'
 TOTAL DEPTH 582'
 SWL _____

FORMATION	FROM (ft)	TO (to)	FORMATION	FROM (ft)	TO (to)
Brown clay	0'	3'	Gray limestone	160'	163'
Brown shale	3'	5'	Gray shale	163'	167'
Gray limestone	5'	14'	Gray limestone	167'	175'
Gray shale	14'	30'	Gray sandstone	175'	187'
Red shale	30'	34'	Gray shale	187'	270'
Gray shale	34'	42'	Gray sandstone	270'	290'
Gray limestone	42'	50'	Gray shale	290'	330'
Black shale	50'	52'	Red shale	330'	335'
Gray shale	52'	57'	Gray sandstone	335'	340'
Black shale	57'	59'	Gray shale	340'	350'
Gray shale	59'	75'	Gray limestone	350'	353'
Gray limestone	75'	77'	Black shale	353'	354'
Gray shale	77'	82'	Gray shale	354'	358'
Gray limestone	82'	84'	Gray limestone	358'	361'
Gray shale	84'	100'	Gray sandy shale	361'	366'
Gray limestone	100'	113'	Gray limestone	366'	379'
Gray shale	113'	115'	Gray shale	379'	382'
Gray limestone	115'	127'	Gray sandstone	382'	387'
Black shale	127'	131'	Gray shale	387'	395'
Gray shale	131'	137'	Gray limestone	395'	400'
Gray limestone	137'	155'	Black shale	400'	404'
Black shale	155'	160'	Gray sandstone w/trace of oil	404'	410'

Temporary No. _____

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES, ROLLA, MISSOURI

COUNTY Cass
 COMPANY OR OWNER Prairie Energy Corporation
 FARM Williams WELL NO. 1
 LOCATION 1951' ENL, 1199' EEL SEC 5 T 116N R 33W
 CONTRACTOR/DRILLER V. Campbell
 COMMENCED 01-07-83 COMPLETED 01-12-83
 PRODUCTION oil, 2 bbls/day
 CASING RECORD _____
 WATER RECORD _____
 SOURCE OF LOG _____
 REMARKS OGC #20377

MGS LOG NO. Drillers

- + -	- + -	- + -	- + -
- + -	- + -	- + -	- + -
- + -	- + -	- + -	- + -
- + -	- + -	- + -	- + -

NO. SAMPLES _____ SAMPLES RECEIVED _____

ELEV. 985'
 TOTAL DEPTH 582'
 SWL _____

FORMATION	FROM (ft)	TO (to)	FORMATION	FROM (ft)	TO (to)
Gray sandy shale	410'	413'			
Gray shale	413'	422'			
Red shale	422'	430'			
Black shale	430'	435'			
Gray shale	435'	490'			
Gray sandy shale	490'	495'			
Gray shale	495'	508'			
Gray sandstone, oil	508'	510'			
Gray sandstone, oil	510'	514'			
Gray shale	514'	530'			
Gray shale	530'	543'			
Black shale	543'	557'			
Brown limestone	557'	559'			
Gray shale	559'	582'			
Total Depth	582'				

STATION Ottawa OPERATOR E. ed Mader

P.O. Box 884
Chanute, Kansas 66720
Phone (316) 431-9210

Ticket 72579

CONSOLIDATED OIL WELL SERVICES, INC.

Date <u>11-5-87</u>	Customer's Acct. No. <u>1828</u>	Sec. <u>5</u>	Twp. <u>46</u>	Range <u>33</u>	Well No. & Farm <u>Williams #1</u>	Place or Destination <u>Martin City</u>
Charge To <u>Mack C. Colt Inc.</u>			Owner			County <u>Cass</u>
Mailing Address <u>Box 388</u>			Contractor			State <u>Mo.</u>
City & State <u>Iola, KS - 66749</u>			Well Owner Operator Contractor <u>Gene Vincent</u>			

CEMENTING SERVICE DATA

TYPE OF JOB	CASING	HOLE DATA	PLUGS AND HEAD	PRESSURE	CEMENT LEFT IN CASING
Surface	New	Bore Size	Bottom	Circulating	Requested
Production	Used	Total Depth	Top	Minimum	Necessity
Squeeze	Size <u>4 1/2</u>		Head	Maximum	Measured
Pumping	Weight	Cable Tool	FLOAT EQUIPMENT		Sacks Cement <u>40</u>
Other	Depth <u>596</u>	Rotary	Type & Brand		<u>Portland A.</u>
	Type		Admixes		<u>6% Gel</u>

FRACTURING - ACIDIZING SERVICE DATA

Type of Job	At Intervals of				
Bbls Fracturing Fluid	Breakdown Pressure from	psi to	psi		
Treating Pressures: Maximum	psi	Minimum	psi	Avg. Pump Rate	GPM/BPM
Sand	Gals. Treating Acid	Type	Open Hole Diameter		
Well Treating Through: Tubing	Casing	Annulus	Size	Weight	
Remarks:					
No. Perforations	Pay Formation Name	Depth of Job		Ft.	

INVOICE SECTION

CEMENTING				FRACTURING - ACIDIZING			
Pumping Charge	Office Use	\$		Pumping Charge	Office Use	\$	
Pumping Charge	@	\$ <u>325</u>		Pumping Charge	@	\$	
<u>40</u> Sacks Bulk Cement	@	<u>1101</u>	<u>210.00</u>	12x30 Sand	@		
Ton Mileage on Bulk Cement <u>60</u>	@	<u>640</u>	<u>85.20</u>	10x20 Sand	@		
<u>25x</u> Premium Gel	@	<u>1301</u>	<u>13.80</u>	x Sand	@		
Flo-Seal	@			Ton Mileage	@		
Calcium Chloride	@			Gals., Acid	@		
Plug	@			Chemicals	@		
Equipment	@			<u>Ports @ 5 1/2" - 5 9/16"</u>	@		
	@				@		
	@				@		
	@				@		
	@			Potassium Chloride	@		
	@			Rock Salt	@		
Granulated Salt	@			Water Gel	@		
Transport Truck (Hrs.)	@			Transport Truck (Hrs.)	@		
Vac Truck (<u>1/2</u> Hrs.)	@	<u>6201</u>	<u>57.00</u>	Vac Truck (Hrs.)	@		
	@				@		
		Tax	<u>11.19</u>			Tax	
A Finance Charge computed at 1% per month (annual percentage rate of 21%) will be added to balance over 30 days.		Total	\$ <u>702.19</u>	Total	\$		

81384

Permit #: 20377

Date Issued: 1-17-83

County: Cass

Date Cancelled: _____

CONFIDENTIAL UNTIL: _____

Date Plugged: 11-30-87

COMMENTS:

stripped 4-18-84

OGC FORMS	Date Received
1	
2	
3	1-17-83
3i	
4	1-17-83
4i	
5	4-1-83
6	
7	11-30-87
8	
11	
12	
Misc. Form 2	

Loggs	TYPE	ID #	Date Received
	drillers		
	test work		
	2-10-83		4-1-83
Samples	chip		
	core		
Analyses	water		
	core		

Additional Submitted Data:

Additional Submitted Data:			
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