

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK

NAME OF COMPANY OR OPERATOR MAINLINE USA INC DATE DEC. 10/80
227 1/2 SOUTH MAIN ST OTTAWA KANSAS

Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease J. W. SMITH Well number 4 Elevation (ground) 861' (TM)

WELL LOCATION (give footage from section lines)
2472 ft. from (N) (S) sec. line 2461 ft. from (E) (W) sec. line

WELL LOCATION Section 34 Township 44 Range 33 County CASS

Nearest distance from proposed location to property or lease line: 165 feet
Distance from proposed location to nearest drilling, completed or applied - for well on the same lease: 489 feet

Proposed depth: 200' Rotary or Cable tools ROTARY Approx. date work will start DECEMBER 23, 1980

Number of acres in lease: 25
Number of wells on lease, including this well, completed in or drilling to this reservoir: 4
Number of abandoned wells on lease: NONE

If lease, purchased with one or more wells drilled, from whom purchased: Name _____ No. of Wells: producing _____ inactive _____ abandoned _____
Address _____

Status of Bond
Single Well Amt. _____ Blanket Bond Amt. 20,000 ON FILE 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.
DEC 12 1980

Proposed casing program:				Approved casing - To be filed in by State Geologist			
amt.	size	wt./ft.	cem.	amt.	size	wt./ft.	cem.
<u>25'</u>	<u>7"</u>	<u>27</u>	<u>YES</u>				
<u>200'</u>	<u>2"</u>	<u>3.75</u>	<u>TD 60'</u>				

I, the undersigned, state that I am the PRODUCTION MANAGER of the MAINLINE USA INC (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 Phillip J. Keenan

Permit Number 20118
Approval Date: 12/12/80
Approved By: Wallace B. Adams
Note: This Permit not transferable to any other person or to any other location.

SAMPLES REQUIRED
 SAMPLES NOT REQUIRED

WATER SAMPLES REQUIRED @:

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

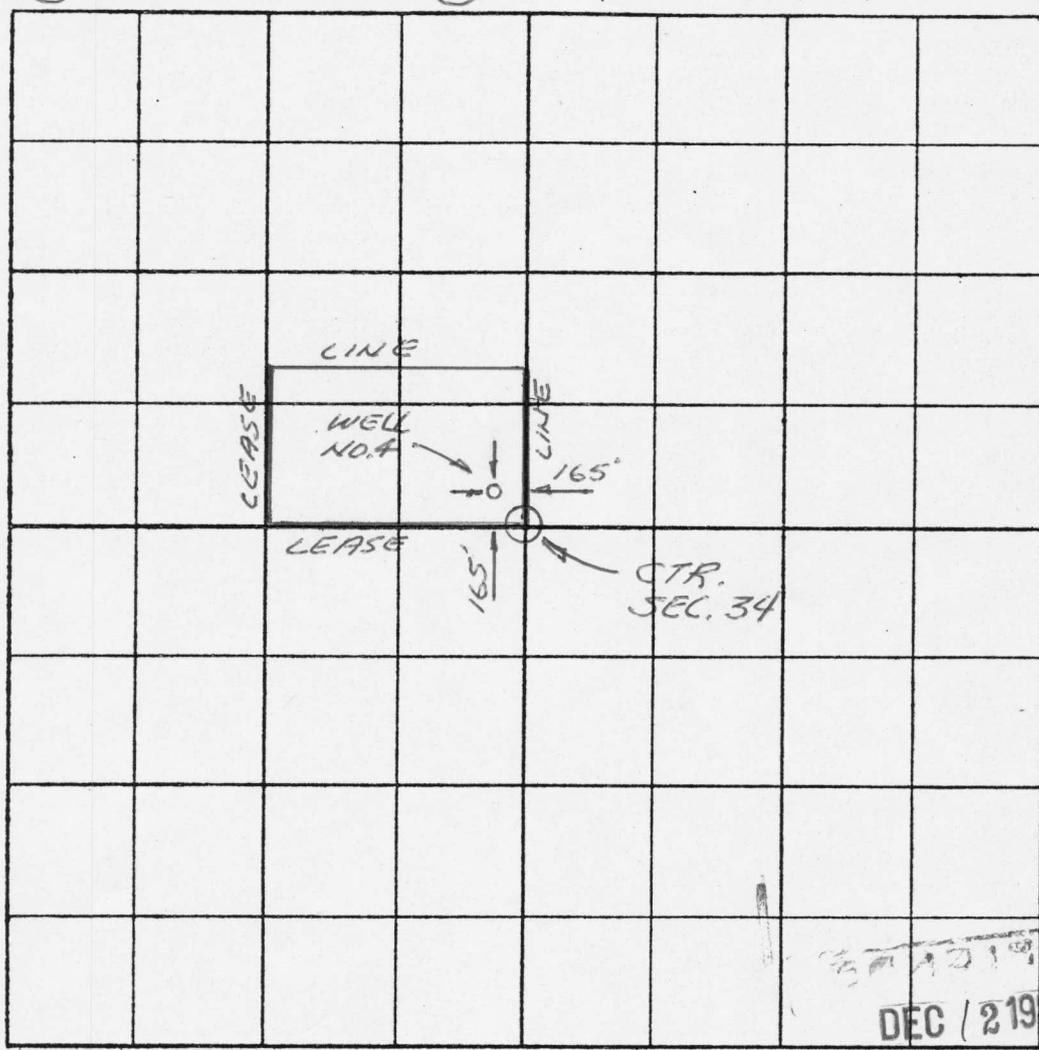
Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

WELL LOCATION PLAT

Owner: J. W. Smith, Jr. & Kathryn F. Smith

Lease Name: J.W. Smith, Jr. & Kathryn F. Smith County, Cass

2472' feet from (N) (S) line and 2461' feet from (E) (W) line of Sec. 34 Twp. 44 Range 33



SCALE
1" = 1000'

DEC / 2 1980
 MO. OIL & GAS COUNCIL

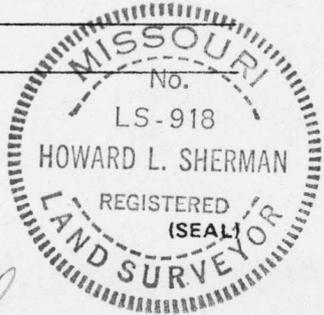
REMARKS: Lessee: Mainline U.S.A. Inc.
227 1/2 South Main Street
Ottawa, Kansas 66067
Well No. 4

INSTRUCTIONS

On the above plat, show distance of the proposed well from the two nearest lease and section lines, and from the nearest well on the same lease completed in or drilling to the same reservoir. If the location requested is not in conformance with the applicable well-spacing rules, show all off-setting wells to the proposed well. Do not confuse survey lines with lease lines. See rule 7 - 3 (b) for survey requirements.

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

Howard L. Sherman
 Registered Land Surveyor



MISSOURI OIL AND GAS COUNCIL

Form OGC-5

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well Work-Over Deepen Plug Back Same Reservoir Different Reservoir Oil Gas Dry

Owner <i>Mainline USA Inc.</i>		Address <i>227 1/2 S. Main Ottawa, Ks.</i>			
Lease Name <i>Smith</i>		Well Number <i>4</i>			
Location <i>2472' FNL 2461' FWL Sec 34 Twp 44 R 33</i>					Sec. — TWP-Range or Block & Survey
County <i>CASS</i>	Permit number (OGC3 number) <i>20118</i>				
Date spudded	Date total depth reached	Date completed, ready to produce		Elevation (DF, RKB, RT or Gr.) <i>861 feet</i>	Elevation of casing hd. flange <i>861 feet</i>
Total depth <i>148'</i>	P. B. T. D. <i>148'</i>				
Producing interval (s) for this completion			Rotary tools used (interval) From <i>0</i> to <i>TO</i> Drilling Fluid used <i>mud</i>	Cable tools used (interval) From <i>n/a</i> to	
Was this well directionally drilled? <i>no</i>	Was directional survey made? <i>no</i>	Was copy of directional survey filed? <i>no</i>		Date filed <i>n/a</i>	
Type of electrical or other logs run (list logs filed with the State Geologist)				Date filed	

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
<i>Surf. Csg</i>	<i>8 5/8"</i>	<i>7"</i>	<i>23.0</i>	<i>0-25'</i>	<i>4</i>	

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
<i>2-7/8 in.</i>	<i>148 ft.</i>		<i>in.</i>	<i>ft.</i>	<i>ft.</i>		

PERFORMANCE RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Am't. & kind of material used	Depth Interval
			<i>Water Feac.</i>	

INITIAL PRODUCTION

Date of first production		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): <i>1 1/4" inset Pump</i>				
Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity API (Corr.)
Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio

Disposition of gas (state whether vented, used for fuel or sold):

Method of disposal of mud pit contents: *Evaporation & pit covered*

CERTIFICATE: I, the undersigned, state that I am the *Engineering Assistant* of the *Mainline USA Inc.* (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 *David J. Miles* RECEIVED

JUL 31 1981

Remit two copies: one will be returned

MO. OIL & GAS COUNCIL

PLUGGING RECORD

Owner KANSAS PETROLEUM PROPERTIES INC.		Address BOX 145 CHANUTE, KS 66720			
Name of Lease J. W. SMITH		Well No. 4	Permit Number (OGC-3 or OGC-3I number) 20118		
Location of Well 2472' FNL 2461' FWL		Sec-Twp-Rng or Block & Survey 534-44-33		County CASS	
Application to drill this well was filed in name of MAINLINE USA INC		Has this well ever produced oil or gas? NO	Character of well at completion (initial production) Oil (bbls/day) 0 Gas (MCF/day) 0		Dry? YES
Date Abandoned 7-13-83 <small>(12:00 Noon)</small>	Total depth 111	Amount well producing prior to abandonment Oil (bbls/day) 0 Gas (MCF/day) 0		Water (bbls/day) 0	
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.	
NOT KNOWN		NOT KNOWN	NOT KNOWN		
CEMENTING OPERATIONS: PUMPED			155Xs DOWN 2"	AND SHOT IN	
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
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:	
ALBERT LONG (SURFACE)		RR#1 CLEVELAND, MO		NORTH	
ERNEST PARK ("")		"		SOUTH	
EDWARD LEWIS ("")		"		EAST	
TOMMIE RAILLY ("")		"		WEST	
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>CONSULTING ENGINEER</u> of the <u>KANSAS PETROLEUM PROPERTIES INC.</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				K. Byram	

OCT 11 1983

Plugging Release

For valuable consideration the receipt and sufficiency of which is hereby acknowledged, I, J.W. SMITH.,
owner of the real property subject to the oil and gas lease described as follows:

COMMENCING @ ~~SE~~ SE C OF THE E 1/2 NW 1/4 S39-44-33
THEN N 89° 46' 30 SEC WEST 1307.1' N 819.2'
S 89° 46' 30 SEC EAST 1307.1' THEN S 819.2'
TO BEGIN EXCEPT CEMETERY

have inspected my property and to the best of my knowledge all holes drilled for the purpose of oil and/or gas have been properly plugged.

Dated July 13, 1983

Signed J.W. Smith

RECEIVED
OCT 11 1983
MO. OIL & GAS COUNCIL

Consolidated Oil Well Services, Inc.

211 West 14th Street

P.O. Box 884 Chanute, Kansas 66720

Phone: (316) 431-7690 (Office)

(316) 431-9210 (Shop)

RECEIVED

OCT 11 1983

MO. OIL & GAS COUNCIL

INVOICE DATE	INVOICE NO.
7/19/83	7109

S
O ELKHOUND RES.
L BOX 219 B RT #1
D WELLSVILLE, KS

66092



TERMS: Net 30 Days

A Finance Charge computer at 1 3/4 % per month (annual percentage rate of 21 %) will be added to balances over 30 days.

PLEASE REFER TO THIS ACCOUNT NUMBER WHEN MAKING INQUIRIES

COUNT NO.	2563	LOCATION	3	LEASE AND WELL NO.	# 1,2,3,4 SMITH	JOB TICKET NO.	42458	0000000000
ITEM NUMBER				DESCRIPTION		UNITS	UNIT PRICE	EXTENDED PRICE

401	4	0	PUMPING CHARGE--CEMENTING	4	150.00	EA	600.
101	70	0	BULK CEMENT	70	5.00	SK	350.
401	1	0	TON MILEAGE	1	149.10	CHG	149.
201	2.50	0	TRUCKING--VACUUM	2.50	44.00	HR	110.

Approved 7-31
POSTERED

SS INVOICE	TAX	PLEASE PAY
1,209.10	14.00	1,223.

Thank You!

CONSOLIDATED OIL WELL SERVICES, INC.

Date	Customer's Acct. No.	Sec.	Twp.	Range	Well No. & Farm	Place or Destination
7-13-83	2563	34	44	33	H 1,2,3,4 Smith	Fredonia
Charge To	Owner			County		
Elkhound Resources				Cass		
Mailing Address	Contractor			State		
RT 1 - Box 219B				Mo		
City & State	Well Owner Operator Contractor					
Wellsville, Ks. 66092						

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 2"	136	Head	Maximum	Measured
Pumping	Weight	Cable Tool	FLOAT EQUIPMENT	Sacks Cement	
Plug	Depth	Rotary		70	
	Type			Type & Brand	
				50/50 B2 Mix	
				Admixes	

FRACTURING - ACIDIZING SERVICE DATA

Type of Job	At Intervals of				
Fluids Fracturing Fluid	Breakdown Pressure from	psi to	psi		
Treating Pressures: Maximum	psi	Minimum	psi	Avg. Pump Rate	GPM/BPM Close In psi
Fluid	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.		

CEMENTING				INVOICE SECTION				FRACTURING - ACIDIZING			
Pumping Charge	Office Use	\$		Pumping Charge	Office Use	\$		Pumping Charge	Office Use	\$	
70 Sacks Bulk Cement	@ 5.00	1101	350.00	12x30 Sand	@						
Ton Mileage on Bulk Cement	@	6401	147.10	10x20 Sand	@						
Premium Gel	@			x Sand	@						
Flo-Seal	@			Ton Mileage	@						
Calcium Chloride	@			Gals., Acid	@						
Plug	@			Chemicals	@						
Equipment	@				@						
1 2' 10 1/2" to top 155x	@			Potassium Chloride	@						
2 2' 13 1/2" " " 145x	@			Rock Salt	@						
3 5 1/2" 19" " " 265x	@			Water Gel	@						
4 2' 11 1/2" " " 155x	@			Granulated Salt	@						
Transport Truck (Hrs.)	@			Transport Truck (Hrs.)	@						
Vac Truck (2 1/2 Hrs.)	@	44.00	6201	110.00	Vac Truck (Hrs.)	@					
Fuel Surcharge	@			Fuel Surcharge	@						
		Tax	11.00								
Finance Charge computed at 14% per month (annual percentage rate of 21%) will be added to balance over 30 days.	Total	\$	1223.10	8 plugs total	Total	\$					

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OCT 11 1983

OIL & GAS COUNCIL

Permit #: 20118

Date Issued: 12-12-80

County: Cass

Date Cancelled:

CONFIDENTIAL UNTILL:

Date Plugged: 2-13-83

COMMENTS:

OGC FORMS	Date Received
1	
2	
3	12-12-80
3i	
4	12-12-80
4i	
5	7-31-81
6	
7	10-11-83
8	
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs			
Samples	chip core		
Analyses	water core		

Additional Submitted Data: