

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK

NAME OF COMPANY OR OPERATOR Landmark Production Inc. DATE March 30, 1981
 c/o Odyssey Petroleum Inc.
1801-B S Butler Dr. Harrisonville, Missouri 64701

Address City State

DESCRIPTION OF WELL AND LEASE			
Name of lease <u>Gilbert & June McKee</u>	Well number <u>1</u>	Elevation (ground) <u>820'</u>	
WELL LOCATION (give footage from section lines) <u>600</u> ft. from (N) 18 sec. line <u>1400</u> ft. from (E) 14 sec. line			
WELL LOCATION Section <u>4</u> Township <u>42N</u> Range <u>30 W</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: _____ feet	
Proposed depth: <u>1100</u>	Rotary or Cable tools <u>Rotary</u>	Approx. date work will start <u>April 13, 1981</u>	
Number of acres in lease: <u>111.11</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>-</u>		
If lease, purchased with one or more wells drilled, from whom purchased: Name _____ Address _____		No. of Wells: producing _____ inactive _____ abandoned _____	
Status of Bond Single Well <input type="checkbox"/> Amt. _____ Blanket Bond <input checked="" type="checkbox"/> Amt. <u>\$40,000.</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: amt. <u>125'</u> size <u>7"</u> wt./ft. <u>17/ft</u> to surface cem. _____		Approved casing - To be filled in by State Geologist amt. _____ size _____ wt./ft. _____ cem. _____	
I, the undersigned, state that I am the <u>Agent</u> of the <u>Landmark Production 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 <u>MR Nathan</u>			

Permit Number 20172
 Approval Date 4/6/81
 Approved By: [Signature]

RECEIVED
 SAMPLES REQUIRED
 SAMPLES NOT REQUIRED
 APR 03 1981

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

MO. OIL & GAS COUNCIL
 WATER SAMPLES REQUIRED @:

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.

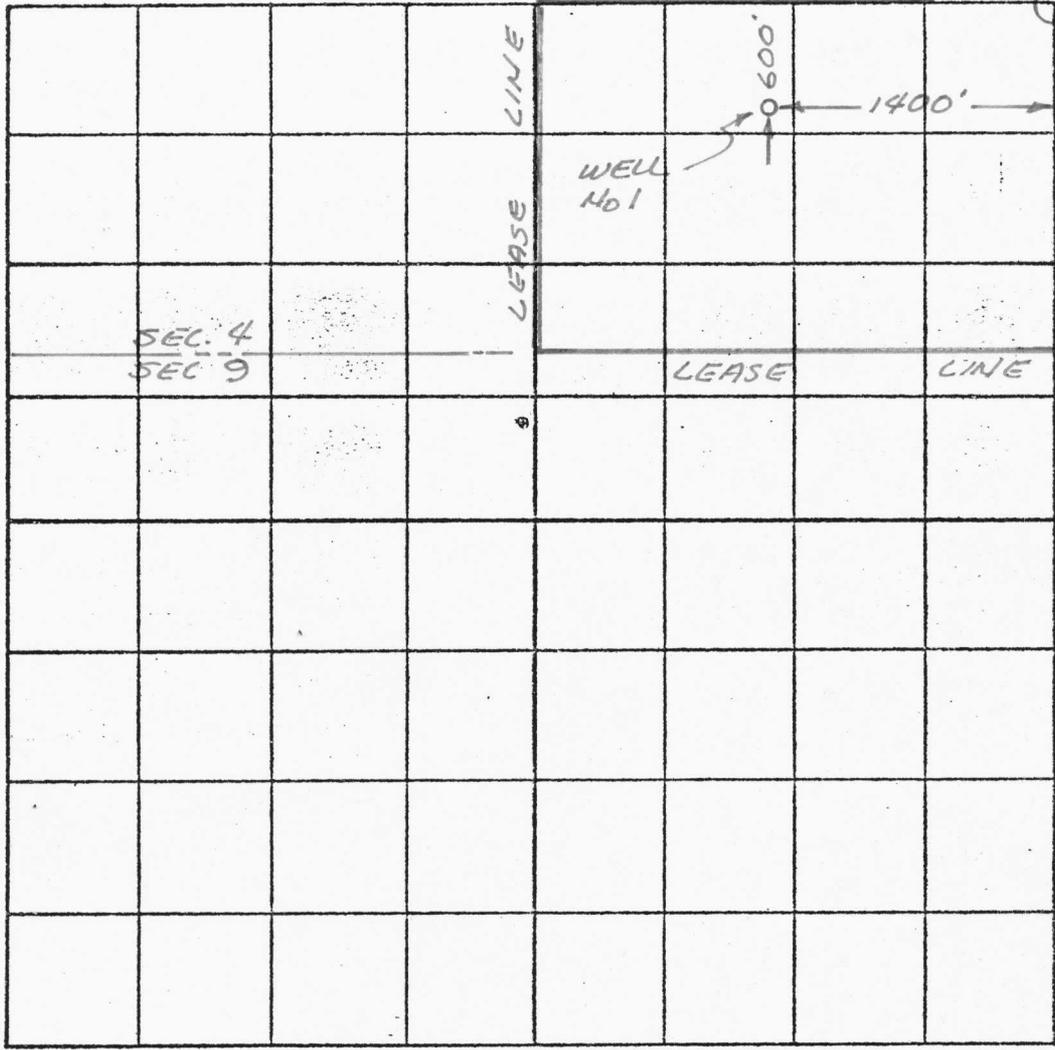
MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

Form OGC-4

Owner: Landmark Production Inc.

Lease Name: Gilbert McKee & June McKee County: kCass

1400 feet from E line and 600 feet from N line
(N) - (S) (E) - (W) B8- of Sec. 4, Twp. 42N, Range 30W



SCALE
1" = 1000'

REMARKS: _____

Well 1. RECEIVED

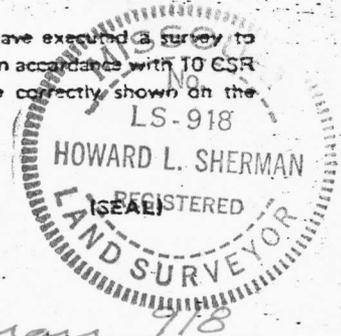
APR 03 1981

Elevation 820' MO. OIL & GAS COUNCIL

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.



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 Number 918

PLUGGING RECORD

Owner Landmark Production, Inc.		Address 10950 Grandview - 34 Corporate Woods - Suite 350 - Overland Park, KS 66210			
Name of Lease Gilbert & June McKee		Well No. 1	Permit Number (OGC-3 or OGC-3I number) 20172		
Location of Well 600' FNL - 1400' FWL S4-T42N-R30W		Sec-Twp-Rng or Block & Survey		County Cass	
Application to drill this well was filed in name of Landmark Production, Inc.		Has this well ever produced oil or gas? NO	Character of well at completion (initial production) Oil (bbls/day) ----- Gas (MCF/day) -----		Dry? yes
Date Abandoned July 1981	Total depth 1,115 ft.	Amount well producing prior to abandonment Oil (bbls/day) ----- Gas (MCF/day) -----		Water (bbls/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.	
No oil and gas indication from samples or logs					
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"	62'11"	0"	62'11"	N/A	
Was well filled with mud-laden fluid? yes		Indicate deepest formation containing fresh water. No fresh water formations can be seen on the logs			
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name		Address		Direction from this well: RECEIVED	
				MAY 28 1982	
				MO. OIL & GAS COUNCIL	
Method of disposal of mud pit contents: Drained with water truck and disposed of in a proper way. Pits were dried and filled in.					
Use reverse side for additional detail. File this form in duplicate with					
CERTIFICATE: I, the undersigned, state that I am the <u>Manager</u> of the <u>Landmark Production, 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 <u>Mendell M. Bell</u> Mendell M. Bell	

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P.O. Box 250, Rolla, MO 65401

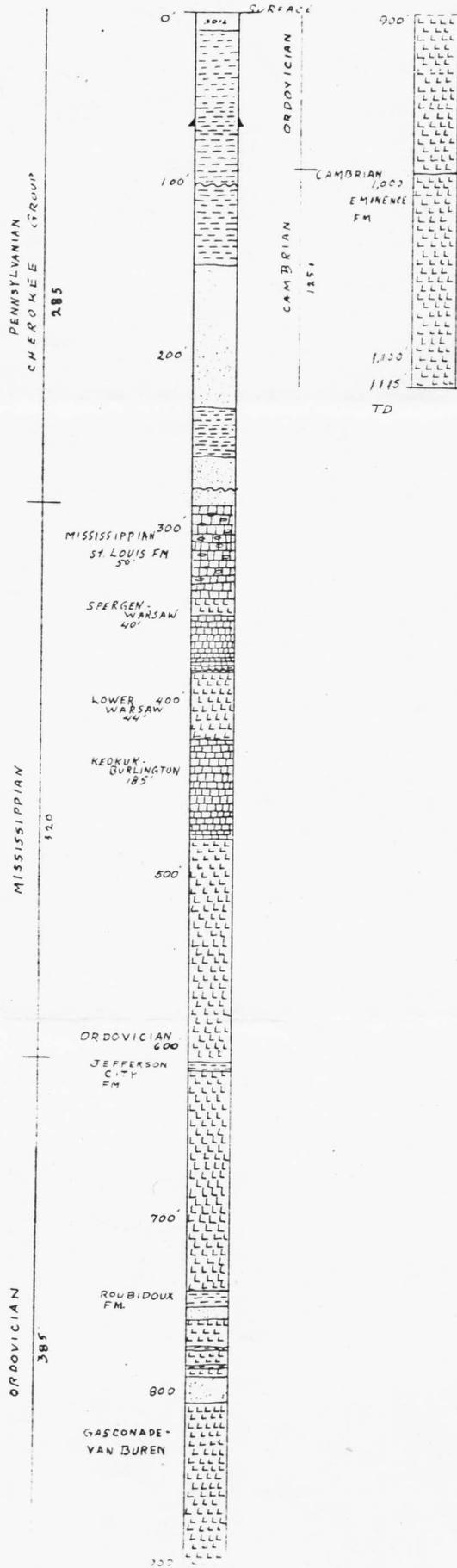
One will be returned.

3/12/82

McKEE WELL #1

The McKee well was drilled to test the lower sequences of rock of the Mississippian, Ordovician and Upper Cambrian Systems. The hole bottomed in the Eminence dolomite Formation of the Upper Cambrian rock at a depth of 1,115'. Below a depth of 640 the hole was drilled with mud-water media. On the basis of sample data and core analysis, the hole did not contain hydrocarbon deposits sufficient to justify completion attempts.

G M L K E E N O 1
S 4 E 4 T 4 2 N R 3 0 W
6 0 0 ' F N L * 1 4 0 0 ' F E L
E I V . 8 2 0



RECEIVED

JUN 18 1982

MO. OIL & GAS COUNCIL

Name of Lease: Number Acres in Lease: Location:
 Gilbert McKee 873 Sec 4-T42N-R30W
Date of Report: County: State:
 April 23, 1981 Cass Missouri
Well No: Well Location: Company:
 1 Sec 4, T42N-R30W Odyssey Joint Venture
 600' fr. N line
 1,400' fr. E line

Surface Elevation: Casing Record:
 820' 60', 7" 17#

Date Spudded: Cementing Record:
 April 15, 1981 15 Sacks, Portland A

Date Completed or Abandoned: Hole Size:
 9-7/8" to 62'
 6-1/4" to 1,115'

Total Depth: Permanent Datum G. L. Elev. K. B. --
 1,115' Log Measured from G. L. D. F. --
Drill Measured from G. L. G. L. 820

Sample Description

<u>Formation</u>	<u>Depth(s)</u>	<u>Unit Description</u>
	0-5	soil, black
	5-10	soil, sandy, brown
	10-70	shale, gray, fissile in part, micaceous, calcareous
	70-75	shale, gray, blocky, partially silty, coal, black, blocky, (2')
	75-150	shale, gray, blocky, fissile in part
	150-155	sand/silt, gray, very fine-grained, micaceous, calcareous
	155-160	sand, light gray, very fine-grained, friable
	160-230	sand, light gray, fine-grained, silty, moderate to well sorted

McKee - Well No. 1

230-235	shale, dark gray to black with a thin (1') limestone stringer, silty, tan
235-260	shale, gray to dark gray
260-275	sand, gray, shaley/silty, pyritic, fine to medium grained poorly sorted
275-285	sand, as above, with abundant black shale, pyritic, fissile
285-290	sand, gray, fine-grained, poorly sorted, shaley
290-300	chert, white, silicified, vitreous, dense, lithic
300-305	chert, white, silicified, chalky in part, fossiliferous, pyritic
305-325	chert, white-tan-buff, increments light brown, chalky limestone
325-330	limestone, tan to chalky white, dense, lithic, minor chert, pyritic
330-335	limestone, white-gray-brown, fine crystalline; cherty in part, trace gray "crud" limestone
335-340	limestone, dolomitic, brown-gray, slight dead oil stain; no odor, no oil cut, calcite-rich
340-345	dolomite, brown, fine crystalline, calcite-rich stain, as above; no odor, no oil cut, dead oil
345-350	dolomite, gray, fine crystalline, with small brown dolomitic limestone, some dead oil staining; no odor
350-355	limestone, gray, argillaceous, with abundant calcite stringers, trace dead oil stain
355-375	limestone, gray to brown, increase in calcite matrix; trace glauconite, mottled fossiliferous
375-380	dolomite, brown, dense, fine crystalline, argillaceous in part

McKee - Well No. 1

- 380-385 shale, gray, calcareous, with brown dolomite, fine crystalline, pyritic
- 385-415 dolomite, brown, fine crystalline, with minor chalky chert
- 415-475 limestone, gray-brown to brown, fine crystalline with some chalky white limestone, calcite filled veinlets, minor gray chert
- 475-490 dolomite, brown to light brown to gray-brown, abundant chert, white; trace argillaceous limestone
- 490-500 dolomite, brown to light brown with abundant chert, white, vitreous traces of gray argillaceous dolomite, glauconite
- 500-510 dolomite, brown to dark brown, fine crystalline, chert, gray, vitreous
- 510-515 dolomite, gray chalky-argillaceous, with trace of glauconite chert, white; traces of black shale
- 515-530 dolomite, gray-chalky-argillaceous, with abundant increase of gray-white chert
- 530-580 dolomitic-limestone, gray, light brown, fine crystalline, decreased chert
- 580-585 dolomite, light brown, with abundant gray, argillaceous dolomite
- 585-590 dolomite, gray, fine crystalline, argillaceous in part; chert, gray-white
- 590-625 dolomite, light brown to gray, fine crystalline, slightly argillaceous; chert, gray-white, opaque
- 625-635 dolomite, tan, buff, gray, fine crystalline, argillaceous in part; abundant chert, white
- 635-640 dolomite, gray-brown, fine to medium crystalline; minor amount of gray chert
- 640-645 dolomite, gray, fine crystalline; minor black shale fragments; minor chert

McKee - Well No. 1

645-685	dolomite, gray, fine crystalline, slightly pyritic
685-715	dolomite, brown to gray, fine crystalline; chert, white to milky white; gray shaley dolomite
715-750	dolomite, gray, fine crystalline, chert; trace gray shale
750-770	dolomite, gray to light gray, sucrosic; trace fine-grained sand, white-clear
770-800	dolomite, gray, sucrosic, chert, milky to chalky minor sand grains
800-805	sand, clear to white, moderate coarse grain, rounded to sub-rounded to angular; no show
805-830	dolomite, light gray, sucrosic, slightly cherty, white to milky white; white to clear quartz grains, sparse
830-835	chert 80-90% gray to white, gray-white to milky white to chalky white, vitreous dolomite, buff, sucrosic
835-840	chert, 60% gray to white to gray-white vitreous with abundant dolomite, gray to tan
840-855	dolomite, gray to tan, sucrosic with less milky chert than above
855-860	chert, gray to gray-white, vitreous; dolomite, gray to tan, sucrosic
860-905	dolomite, gray, fine crystalline; abundant chert, gray to milky white
905-910	chert, milky white, dense, lithic, pyritic; dolomite, 30-40% gray, sucrosic
910-915	dolomite, gray, sucrosic; chert, 30-40%, milky white
915-920	chert, light gray, dense, lithic; dolomite, 50%, gray

McKee - Well No. 1

920-925	dolomitic chert, gray to milky white
925-930	dolomite, gray, sucrosic; chert, gray-white
930-950	dolomite, gray, with minor light brown dolomite; chert, (15-20%) milky white
950-955	dolomite, gray with minor brown dolomite; chert milky white, 5%
955-975	dolomite, gray to light tan, sucrosic; chert, milky white, (15-20%)
975-980	dolomite, gray, with increase in milky white chert
980-990	dolomite, gray, sucrosic, with minor brown dolomite; chert, 30-40%, milky white
990-995	dolomite, gray to dark gray, abundant shaley dolomite, gray to brown; chert, 5-10%
995-1000	dolomite, gray, sucrosic with abundant chert, 40-50% milky white
1000-1005	dolomite, gray to white, sucrosic; fine to medium crystals; chert, milky white to gray-white, shaley, pyritic, trace sand; shale, brown to gray
1005-1010	dolomite, gray to white to buff, sucrosic, fine to medium crystals, chert, minor, (10%), shaley, brown to gray, trace sand grains, pyritic
1010-1015	dolomite, gray to white to buff, sucrosic, fine to medium crystals; chert, abundant, (40-50%) white to milky white, minor shaley dolomite
1015-1020	dolomite, gray to white with minor brown dolomite, sucrosic, fine to medium crystals, slight trace shale
1020-1025	dolomite, gray to buff, sucrosic, trace of gray shale, pyritic with brown fossil spore; chert, minor, (5%) milky white

McKee - Well No. 1

- 1025-1030 dolomite, gray to white to brown, fine to medium crystals, chert, (10-15%) milky white, minor gray shale fragments, pyritic with "lattice-like" appearance
- 1030-1045 dolomite, gray to brown, sucrosic, fine to medium crystals, sand grains - clear, 10-15%, pyritic, chert, 5%
- 1045-1050 dolomite, gray, with minor brown dolomite; chert clear to opaque, oolitic to milky white, sand quartz grains clear, (10%)
- 1050-1055 dolomite, gray to dark gray to minor brown dolomite; sucrosic; chert, (5%) oolitic to milky white; pyritic; sand grains - subangular
- 1055-1060 dolomite, gray to light gray with minor brown dolomite; sucrosic, trace sand
- 1060-1065 dolomite, gray, to minor brown dolomite; sucrosic chert, (5%) oolitic, milky white; sand, clear quartz crystals, pyritic
- 1065-1070 dolomite, gray, to minor brown dolomite; sucrosic; no chert
- 1070-1075 dolomite, gray to dark gray, sucrosic; chert, milky white, (5%), sand, trace
- 1075-1080 dolomite, gray to brown dolomite, sucrosic, fine to medium crystals
- 1080-1085 dolomite, gray to light gray to brown; sucrosic, fine to medium crystals, milky white chert (10%)
- 1085-1090 dolomite, gray to gray white; chert, milky white, (10%); sand grains sub-rounded to angular (20%)
- 1090-1095 dolomite, gray with minor brown dolomite; chert common, (15%); sand, sub-rounded to angular (20%)
- 1095-1100 dolomite, gray to light brown; chert, milky white (10%); pyritic, sand sparse (3%)

McKee - Well No. 1

1100-1105 dolomite, gray; sucrosic, chert, (5%); sand
(3%), pyritic

1105-1110 dolomite, gray, with minor gray dolomite;
sucrosic

1110-1115 dolomite, gray to gray-white, fine to medium
crystals

T. D.



June 1, 1982

Oil and Gas Council
Permit #20172, Cass County
Gilbert and June McKee #1

MISSOURI DEPARTMENT OF NATURAL RESOURCES

P.O. Box 250 Rolla, Missouri 65401 (314) 364-1752

Mr. Mendell M. Bell
Landmark Production, Inc.
34 Corporate Woods, Suite 350
10950 Grandview
Overland Park, Kansas 66210

Dear Mr. Bell:

Enclosed are your stamped copies of forms OGC-6 and OGC-7 for the Gilbert and June McKee #1 well, located in Sec. 4, T. 42N., R. 30W., Cass County.

We note that you failed to include the driller's log (back side of OGC-7). You were also required to send cuttings taken from every 10 feet of drilling. We must have this information before we can close the files on this well. Please submit at your earliest convenience.

If we can be of further help, please don't hesitate to call on us.

Sincerely,

Robert D. Knight, Geologist III
Oil and Gas/Subsurface Geology Section

RDK:gcr

Enclosures

*Assigned geologist log
6/18/82
samples on way*

Christopher S. Bond Governor
Fred A. Lafser Director

Division of Geology and Land Survey
Wallace B. Howe Director

Sample

Permit #: 20172

Date Issued: 4-6-81

County: Cass

Date Cancelled: _____

CONFIDENTIAL UNTIL: _____

Date Plugged: July 1981

COMMENTS:

Im@TD Emmerice

OGC FORMS	Date Received
1	
2	
3	4-3-81
3i	
4	4-3-81
4i	
5	
6	5-28-82
7	5-28-82
8	
11	
12	
Misc. Form 2	

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

Additional Submitted Data: