

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK

NAME OF COMPANY OR OPERATOR Landmark Production Inc. DATE 2/6/81
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>Harold E. K. Bailey</u>	Well number <u>1</u>	Elevation (ground) <u>882</u>
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WELL LOCATION (give footage from section lines)
2367 ft. from (N) (S) sec. line 2475 ft. from (W) sec. line

WELL LOCATION	County
Section <u>35</u> Township <u>44</u> Range <u>33</u>	<u>Cass</u>

Nearest distance from proposed location to property or lease line: 268 feet
 Distance from proposed location to nearest drilling, completed or applied - for well on the same lease: _____ feet

Proposed depth: <u>700</u>	Rotary or Cable tools <u>Rotary</u>	Approx. date work will start <u>February 15, 1981</u>
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Number of acres in lease: <u>60</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: _____

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 Amt. _____ Blanket Bond Amt. \$40,000.
 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.

Proposed casing program:				Approved casing - To be filled in by State Geologist			
amt.	size	wt./ft.	cem.	amt.	size	wt./ft.	cem.
<u>125ft</u>	<u>7"</u>	<u>17</u>	<u>to surface</u>	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

I, the undersigned, state that I am the Agent of the Landmark Production 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 M. B. Wallace

Permit Number: 20152

Approval Date: 2/7/81
 Approved By: J. Wallace B. Howe

SAMPLES REQUIRED
 SAMPLES NOT REQUIRED

RECEIVED
FEB 17 1981

Note: This Permit not transferable to any other person or to any other location. WATER SAMPLES REQUIRED @:

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

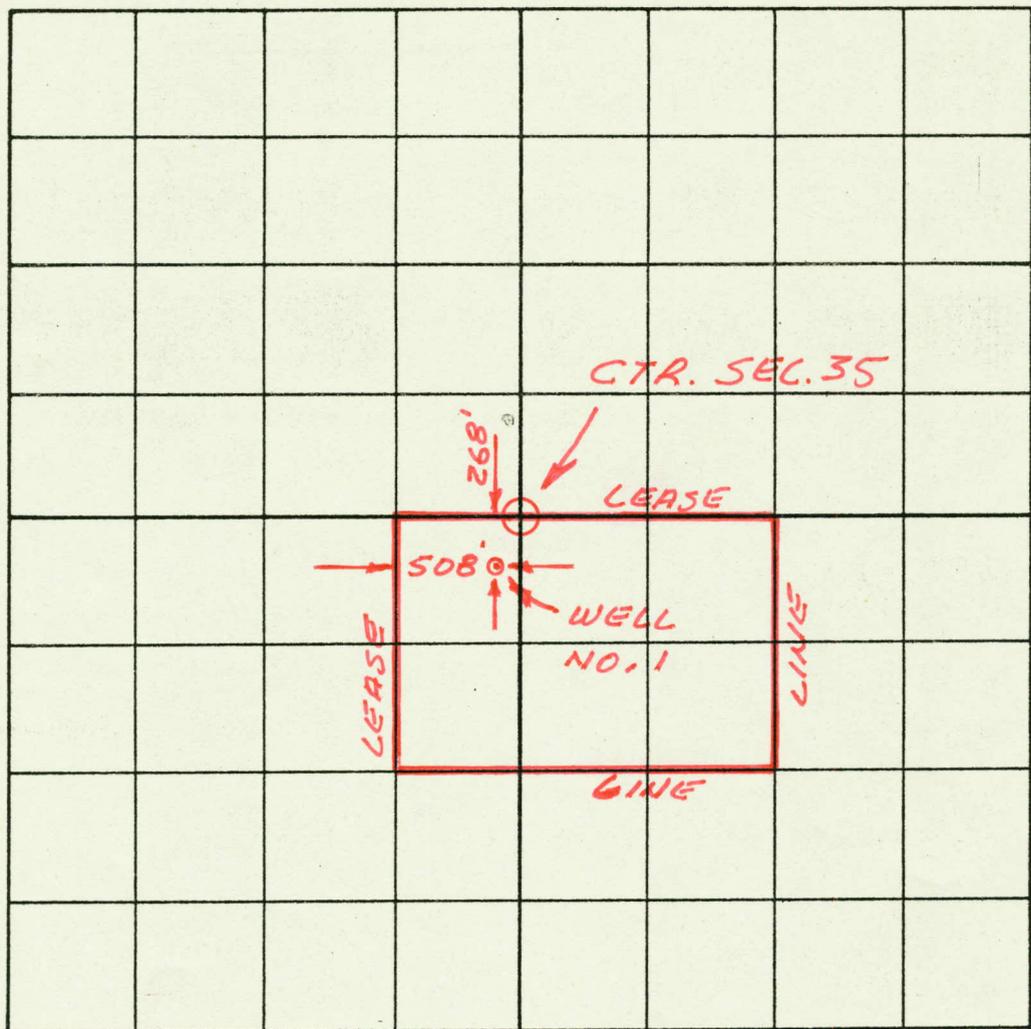
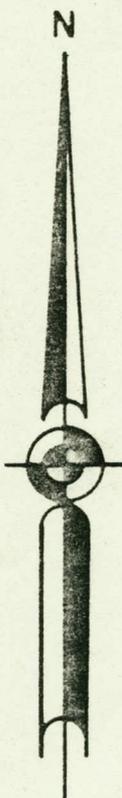
Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

Form OGC-4

Owner: Landmark Production, Inc.

Lease Name: Harold E.K. Bailey County: Cass
2367 feet from South line and 2475 feet from West line of Sec. 35, Twp. 44 N, Range 33
(N) - (S) (E) - (W)



SCALE
1" = 1000'

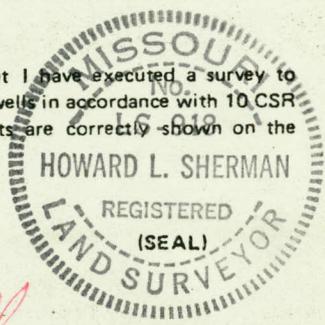
REMARKS: _____
Well No. 1

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.

RECEIVED
FEB 17 1981



MO. OIL & GAS COUNCIL

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P.O. Box 250, Rolla, Mo. 65401
One will be returned.

Howard L. Sherman 918
Registered Land Surveyor Number

PLUGGING RECORD

Owner Landmark Production, Inc.		Address 10950 Grandview, Suite 350 Overland Park, Kansas 66210			
Name of Lease Harold E. K. Bailey		Well No. #1		Permit Number (OGC-3 or OGC-3I number) 20151	
Location of Well NE/NE/SW/4 Sec. 35 - T44N - R33W			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) 0 Gas (MCF/day) 0		Dry? Yes
Date Abandoned	Total depth 607'	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.
Burgess Sand		None	592-598		B.P. @ 585'
Bartlesville		None	494-504		B.P. @ 375'
Squirrel		None	317-324		B.P. @ 300'
Size pipe		Put in well (ft)	Pulled out (ft)	Left in well (ft)	Give depth and method of parting casing (shot, ripped, etc.)
7"		40'	0	40	None
4½"		607'	0	607'	None
Packers and shoes					
Was well filled with mud-laden fluid? no		Indicate deepest formation containing fresh water.			
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name		Address			Direction from this well:
Leo H. Kurzweil		Freeman, Mo. 64746			South
Giles S. Bogar, Jr.		Freeman, Mo. 64746			East
Willis Lester Lee		Freeman, Mo. 64746			West
John H. Slager		Freeman, Mo. 64746			North
Method of disposal of mud pit contents: Unloaded, dried naturally, and filled in. We cemented to surface and cut the casing off below plow depth. 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>Shirley M. Rice</u>					RECEIVED

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250, Rolla, MO 65401

One will be returned.

SEP 02 1982

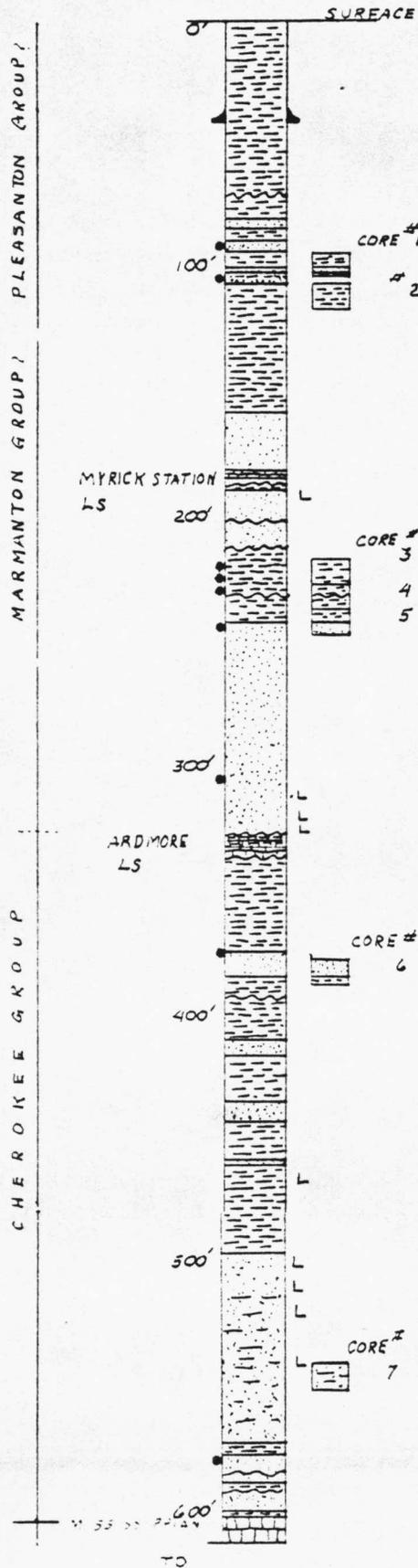
MO. OIL & GAS COUNCIL

3/12/82

BAILEY WELL #1

The Bailey hole has an uncorrelative zone from the surface to the depth of 175', which is the depth of the top of the Myrick Station limestone. The Englevale sandstone, occurring immediately below the Lexington Coal Horizon, apparently extends downward to the Ardmore limestone of the Cherokee Section. The Englevale sandstone is interrupted from a depth of 240' back up to 210' by shale deposition. Otherwise, the entire interval between the Ardmore limestone at the base and the Lexington Coal member at the top would be a continuous sand body.

BAILEY # 1
Sec 35 T44N R33W
2367 FSL + 2475 FWL
EIV 883



Name of Lease: Howard Bailey Number Acres in Lease: 60 Location: Center, Sec 35 - T44N-R33W

Date of Report: March 14, 1981 County: Cass State: Missouri

Well No: 1 Well Location: Sec 35-T44N-R33W
2,367' fr. S line
2,475' fr. W line Company: Odyssey Joint Venture

Surface Elevation: 883' Casing Record: 40.0', 7" J55 to 39.7'

Date Spudded: March 13, 1981 Cementing Record: 10 Sacks, Portland A in 50 Gal. Water

Date Completed or Abandoned: Hole Size:
9-7/8" to 40'
6-1/4" to 610'

Total Depth: 610' Permanent Datum G.L. Elev. K. B. --
Log Measured from G.L. D. F. --
Drill Measured from G.L. G. L. 883'

Sample and Core Descriptions

<u>Formation</u>	<u>Depth(s)</u>	<u>Unit Description</u>
	0-55	shale, gray, medium dense
	55-90	shale, gray; sandstone, gray; as splits in shale
	90-92	shale, gray, dense; sandstone, brown, very fine-grained; oil stained in part
	92-102	<u>Core #1</u>
	92.0-97.8	Shale, dark olive green, broken into 2' segments.
	97.8-99.2	Sandstone, fine-grained, light gray, calcareous.
	99.2-102	Shale, dark gray; streaked with minor, less than 4 mm blebs sandstone as inclusions; no visible evidence of oil/gas; no odor.

Bailey - Well No. 1

- 102-105 sandstone, tan; gray, very fine to fine-grained; oil staining on tan sandstone
- 105-115 Core #2 - Cut 10'. Received 8'.
- All core is shale, gray, hard, sandy; carries thin, 1/2" or less, sandstone, brown, fine-grained bands and sandstone fragments as inclusions in the shale. Core is broken on average of 5 breaks per foot. No evidence of oil or gas. No odor. No staining.
- 115-155 shale, gray, hard, grading down to silty
- 155-160 sandstone, grayish-tan, very fine-grained, platy
- 160-165 sandstone, grayish-tan, fine-grained; showing of coal or shale, black, fissile
- 165-175 sandstone, gray-tan, fine-grained; partly pyritic
- 175-180 limestone, tan and brown, dense and sandy
- 180-185 coal, black, silty (burns); hole making gas at this depth
- 185-190 sandstone, gray-tan; limestone, brown/tan, dense
- 190-205 sandstone, brown/gray, very fine-grained
- 205-210 coal, black
- 210-215 shale, gray, soft
- 215-225 Core #3
- All core is shale, dark-gray, with tan sandstone (horizontal) bands up to 1/2" wide; lower 3' of core is with increased sandy content.
- All of the core had odor of petroleum; brown oil present full length of core barrel. Oil may be in fractures in the shale or in the sandstone bands.
- Core is fractured horizontally on average of 6 times per foot of core (pieces will possibly average 2" in length).

Bailey - Well No. 1

- 225-235 Core #4 - Cut 10'. Received 9.4'.
 225-227.5 Shale, gray, dense with sandstone, brown, very fine-grained splits up to 1/2" wide.
 227.5-229.6 Shale, black, fissile and minor coal splits.
 229.6-229.9 Coal, black, broken (some possibly lost to circulation).
 229.9-234.4 Shale, gray, dense (non-calcareous).
 All core tested with HCl with no response. No visible sign of either oil or gas; core not shipped.
- 235-245 Core #5 - Cut 10'. Received 9.9'.
 235-240 Shale, gray, dense, sandy; with blotches, light-tan, sandstone? or areas of color reduction within the sandy shale.
 240-245 Sandstone, gray, fine-grained to silty. Hard interval 243.6-244 responds to acid with rainbow of oil in light film oil on surface; last foot of core is blank for oil. No other evidence of oil/gas. Core not shipped.
- 245-290 sandstone; gray, very fine-grained; minor showing of sandstone, tan, very fine-grained; both thinly bedded
- 290-295 sandstone, gray, very fine-grained, pyritic; showings of coal
- 295-300 sandstone, gray, very fine-grained to silty, pyritic, platy, hard (almost shale)
- 300-305 shale, gray, sandy; platy and carbonaceous; gas slowly frying from some fragments
- 305-325 shale, gray, sandy; shale, tan, sandy; shale, brown, sandy; all show carbonaceous inclusions; non-calcareous

Bailey - Well No. 1

325-330	limestone, tan, dense; minor sandstone gray/tan
330-335	limestone, tan to brown, dense; minor shale, gray
335-345	shale, dark gray, hard
345-350	shale, gray, dense; showings of coal/fissile
350-355	shale, gray, dense; sandstone, gray-tan, fine-grained as splits
355-360	shale, gray and blotched dark-gray, dense, sandy
360-365	shale, black, fissile; coal, black
365-370	shale, light blue, medium soft; shale, black, fissile 10%
370-375	sandstone, gray, very fine-grained, hard; minor oil staining
375-385	<u>Core #6</u> - Cut 10'. Received 9.9'.
	375-382.6 Sandstone, gray; broken into 3' lengths.
	382.6-385 Shale, black, fissile with thin streaks of coalified shale.
	No signs of oil or gas, but examination of core made during heavy rain and under very poor light conditions. Core wrapped, marked and sent to core lab.
385-395	shale, black, fissile; pyritic
395-400	shale, black, fissile; shale, gray, hard
400-405	shale, black, fissile, pyritic
405-415	shale, dark gray and shale, gray, hard
415-435	shale, dark gray, banded with sandstone, gray, fine-grained; pyritic

Bailey - Well No. 1

	435-445	sandstone, gray, fine-grained; shale, dark gray 10%
	445-500	shale, black, sandy, platy; minor sandstone, variegated
	500-539	sandstone, tan to light gray, fine-grained, platy and variegated, partly pyritic
	539-549	<u>Core #7</u> - Cut 10'. Received 10'. All core shale, dark gray variegated with sandstone strips; lower 5' of core sandy shale, dark gray with thin 1/8 to 1/4 inch wide horizontal strips of carbon with interspersed thin sandstone bands. No visible evidence of oil or gas.
	549-565	sandstone, gray and light tan; variegated, pyritic
	565-575	same as above; show of coal
	575-585	sandstone, light tan, fine-grained; shale, black, fissile; show of chert, tan and white, dense
	585-590	shale, black, fissile; chert, tan, white, mottled; shale, light blue, sandy, hard
	590-595	shale, black, fissile; sandstone, gray, fine-grained; chert, tan, dense; minor show shale, blue, soft
Mississippian 598	595-600	shale, blue, soft; chert, tan, dense; limestone, tan, fossiliferous
	600-605	limestone, tan, fossiliferous; minor showing sand- stone, gray; chert, tan; shale, black, fissile
	605-610	limestone, tan, fossiliferous; minor showing shale, light blue, sandy; shows shale, black, fissile
	TD 610	

Permit #: 20152

Date Issued: 2-17-81

County: Cass

Date Cancelled: _____

CONFIDENTIAL UNTIL: _____

Date Plugged: 9-2-82

COMMENTS:

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

	TYPE	ID #	Date Received
Logs	well log		
Samples	chip core		
Analyses	water		
	core		9-2-82

Additional Submitted Data:

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CORE SERVICES REPORT

FOR
Landmark Production, Inc.
~~ODYSSEY JOINT VENTURE NO. 1~~
BAILEY NO. 1 WELL
CASS COUNTY, MISSOURI

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
OKLAHOMA CITY, OKLAHOMA

April 14, 1981

REPLY TO
SUITE 133
400 SOUTH VERMONT
OKLAHOMA CITY, OKLA.
73108

Odyssey Petroleum, Incorporated
1801 B South Butler Drive
Harrisonville, Missouri 64701

Attn: Mr. Brent Natrass

Subject: Core Services
Bailey No. 1 Well
Cass County, Missouri
CLI File 3406-00391

Gentlemen:

This report presents the Surface Core Gamma Log recorded in our Chanute laboratory for comparison with downhole electrical surveys.

We appreciate this opportunity to serve you.

Very truly yours,

CORE LABORATORIES, INC.



Dale E. Boyle
District Manager

DEB:rr
5 cc - Addressee
2 cc - Alvin Winestock

COMPANY ODYSSEY JOINT VENTURE NO. 1 FILE NO. 3406-00391
 WELL BAILEY NO. 1 DATE 3-16-81
 FIELD UNKNOWN FORMATION KNOBTOWN ELEV. UNKNOWN
 COUNTY CASS STATE MISSOURI DRLG. FLD. _____ CORES _____
 LOCATION SEC. 35-44N-33W

CORRELATION COREGRAPH

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc., (all errors or omissions excepted); but Core Laboratories, Inc., and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

VERTICAL SCALE: 5" = 100'

Total Water _____

PERCENT PORE SPACE
 100 80 60 40 20 0

Oil Saturation _____

PERCENT PORE SPACE

Gamma Ray

RADIATION INCREASE →

Permeability _____

MILLIDARCIES

1000 100 10 1

Porosity _____

PERCENT

30 20 10 0

Depth Feet

200

215

225

250

300

350

375

385

400

