

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK

NAME OF COMPANY OR OPERATOR Landmark Production Inc. DATE 1981/01/30
c/o Odyssey Petroleum Inc.
1801 B.S. Butler Dr. Harrisonville Missouri 64701
Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease Phillip W. Lomax and Helen L. Lomax Well number 1 Elevation (ground) 980

WELL LOCATION (give footage from section lines)
890 ft. from (N) 6 sec. line 1829 ft. from (W) sec. line

WELL LOCATION Section 18 Township 44 N Range 33 County Cass

Nearest distance from proposed location to property or lease line: 292 feet
Distance from proposed location to nearest drilling, completed or applied - for well on the same lease: _____ feet

Proposed depth: 700 Rotary or Cable tools Rotary Apprx. date work will start Feburary 8, 1981

Number of acres in lease: 58.443 Number of wells on lease, including this well, completed in or drilling to this reservoir: 1
0
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>125 ft</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 MB Nathan

Permit Number: 20142

Approval Date: 2/2/81

Approved By: J.R.S. Wallace B. Davis

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.

SAMPLES REQUIRED
 SAMPLES NOT REQUIRED
WATER SAMPLES REQUIRED @:
RECEIVED
FEB 02 1981
MO. OIL & GAS COUNCIL

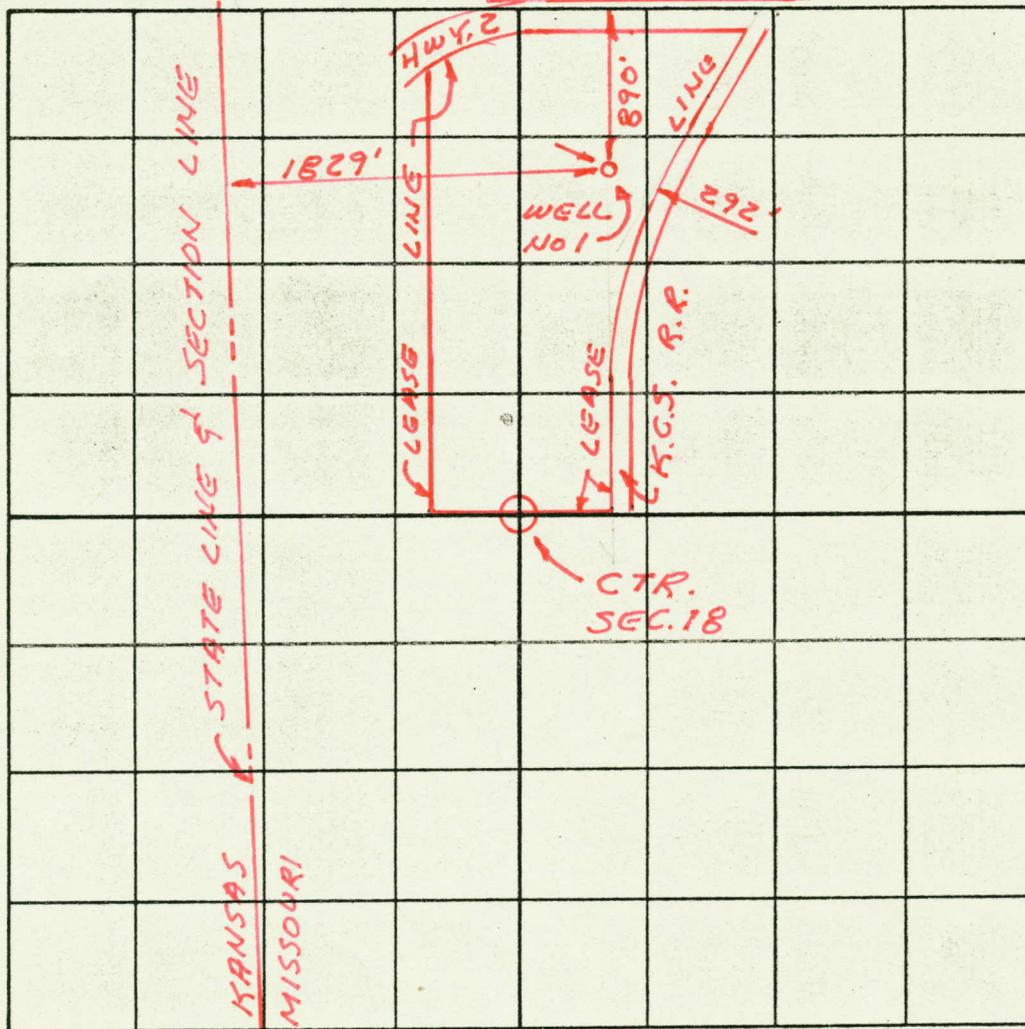
Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

Form OGC-4

Owner: Landmark Production Inc.

Lease Name: Phillip W. Lomax County: Cass
890 feet from North line and 1829 feet from West line
 of Sec. 18, Twp. 44 N, Range 33
 (N) - (S) (E) - (W)



SCALE
1" = 1000'

REMARKS: Well No. 1

INSTRUCTIONS

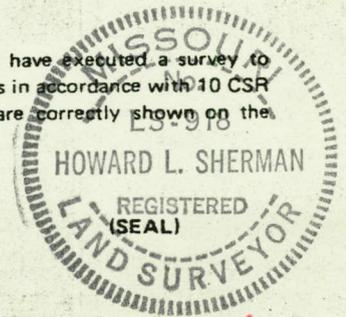
On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements.

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 02 1981

MO. OIL & GAS COUNCIL



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Howard L. Sherman 918
Registered Land Surveyor Number

MISSOURI OIL AND GAS COUNCIL

Form OGC-6

NOTICE OF INTENTION TO ABANDON WELL

Name of Lease Phillip W. & Helen L. Lomax Date February 26, 1981

Well No. 1 is located 890 feet from (N) (S) line and 1829

feet from (W) line of Section 18 Township 44N Range 33W

Cass County The elevation of the ground at well site is 980

_____ feet above sea level.

Name and address of Contractor or Company which will do work is:

Consolidated Oilwell Services

Ottawa, Kansas

DETAILS OF WORK

(Indicate size, kind, and depth of plugs, where casing will be pulled, other pertinent details)

Plug # 1	800-472	70 sax Portland Cement
#2	400-160	62 sax Portland Cement
#3	160-3' below ground level	37 sax Portland Cement

CERTIFICATE: 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.

MBNathas
Signature

RECEIVED

APR 03 1981

Remit two copies; one will be returned

MO. OIL & GAS COUNCIL

**MISSOURI OIL AND GAS COUNCIL
PLUGGING RECORD**

Form OGC-7

Owner: **Landmark Production Inc.** Address: **1801-B S. Butler Dr.**

Name of Lease: **Phillip & Helen Lomax** Well No.: **1** Location: **Harrisonville, Missouri 64701**

Location of Well: **890' from N. line & 1829' from W. line of Sec. 18-44N-33W** Sec-Twp-Rge 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 (bbbls/day) _____ Gas (MCF/day) _____		Dry? yes
Date Abandoned: February 12, & 26, 1981	Total depth 816'	Amount well producing prior to abandonment. Oil (bbbls/day) _____ Gas (MCF/day) _____		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.
Bethane Foslls (cased)	Dead Oil	80-85	3'-160'-37 sax
Wartensburg S. S.	No Shaw	240-290	160-400- 62 sax
Squirrel S.S.	Samples Fluoresced	445-480	472-800- 70 sax
Douglas S. S.	Petroleum odor	760-765	

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"	202	-	202	-	-

Was well filled with mud-laden fluid? **No** Indicate deepest formation containing fresh water. **Nil**

NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE

Name	Address	Direction from this well:
Malcolm Sims		West
Paul Carlson		North
Nellie Fugate		East

Raymond Wood Pit allowed to evaporate for several **South** weeks and then back filled. All fluids stayed on location.

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 **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.

MB Nathan

Signature **RECEIVED**

APR 03 1981

Remit two copies, one will be returned

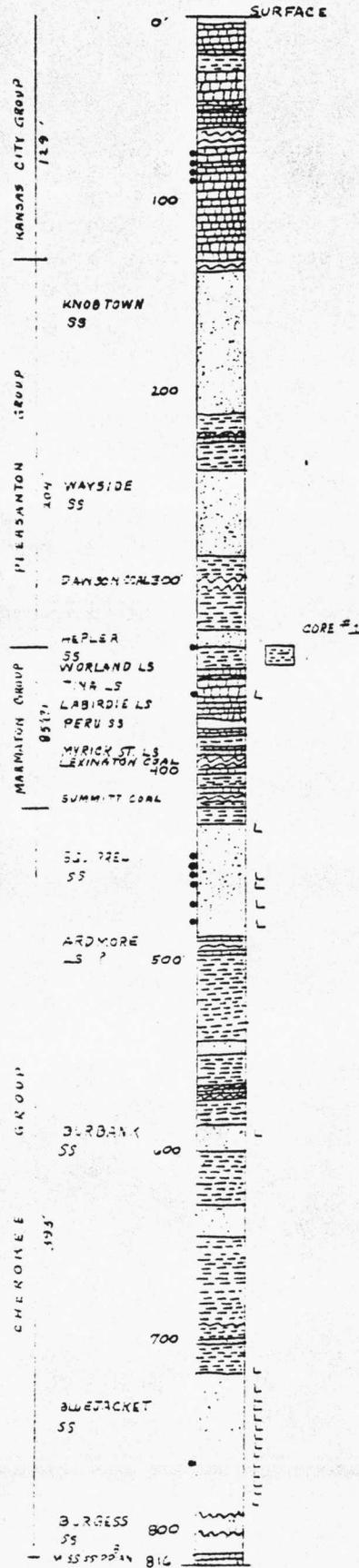
MO. OIL & GAS COUNCIL

LOMAX WELL #1

The hole contains about a 48' thickness of Knobtown sandstone, a very fine-grained sandstone. The Wayside sandstone is 45' thick. The hole is irregular in that the section immediately below the Summit Coal Horizon has been replaced. An upper 10' shale member, followed by a 58' thick sand member, replaces the Squirrel sand interval down to the top of the Ardmore limestone. In the lower portion of the Cherokee Group, below a depth of 715', a thick sandstone body extended to a depth of about 795'. The lowermost 50' of this sand body was an extraordinarily clean sand. An extraordinary heavy input of water was evident at this depth. It should be noted this sand unit has a favorable thickness and characteristics of porosity suggestive of an excellent reservoir type rock. Apparently, in this hole, the sand is saturated with water. However, the favorable aspects of the sand unit makes it a prime target if it can be found in a suitable structural position.

LOMAX #1
Sec 18 T44N R33W

Elev 980



Name of Lease: Phillip W. Lomax Number Acres in Lease: 58 Location: NC Sec 18-T 44 N - R 33 W

Date of Report: February 10, 1981 County: Cass State: Missouri

Well No: 1 Well Location: Sec 18-T44N-R33W
890' fr. N line
1,829' fr. W line Company: Odyssey Joint Venture

Surface Elevation: 980' Casing Record: 202', 7" 17 lb H-40

Date Spudded: February 1, 1981 Cementing Record: 70 Sacks, Portland A + 2% CaCl -7 Bbl. Water

Date Completed or Abandoned: February 26, 1981 Hole Size: 9-7/8" to 203.5'
6-1/4" to T.D.

Total Depth: 816' Permanent Datum G. L. Elev. K. B. --
Log Measured from G. L. D. F. --
Drill Measured from G. L. G. L. 980'

Sample and Core Descriptions

<u>Formation</u>	<u>Depth(s)</u>	<u>Unit Description</u>
	0-5	surface soil, clay and silt; brown
	5-20	limestone, tan to brownish tan, sandy
	20-30	clay, gray, sandy, soft
	30-45	limestone, dark gray, dense, sandy in part, fossiliferous
	45-50	limestone, buff to gray, cherty, fossiliferous
	50-55	limestone, gray-white, oolitic; included medium sand; carbon streaks
	55-60	limestone, white to light tan, dense, fossiliferous, carbon as minor inclusions up to 1 mm. as specks and streaks

Lomax - Well No. 1

60-65	dolomite, light tan, included angular sand grains, medium; shale, black, fissile, platy, hard 15%
65-70	shale, black, hard, fissile and platy
70-75	limestone, light gray, sucrosic; intermixed carbonaceous material abundant
75-80	limestone, light gray, sucrosic, carbonaceous material intermixed; dead oil globules(?) interspersed with carbonaceous material, yellow fluorescence (ultraviolet)
80-85	limestone, light gray, sucrosic; globules of dead oil occasional; oil will string on needle; brown or dark brown, does not show iridescence, is tar-like, viscous, sticky; faint odor; is not in the possible pore space of limestone, but seemly related or occurring in the previously described carbonaceous material; oil accumulation noted on pit
85-120	limestone, light gray; blebs and spots of dead oil occasional
120-125	limestone, light gray; minor shale, black, fissile (40%), carbonaceous
125-130	limestone, light gray; minor shale, black fissile (30%), carbonaceous
130-135	shale, black, hard, fissile; limestone, light gray, carbonaceous
135-160	sandstone, gray, very fine-grained, carbon specks common
160-165	sandstone, gray, very fine-grained, calcareous and carbonized
165-205	sandstone, gray, very fine-grained, calcareous, pyritic, carbonaceous; limestone fragments, brown or tan, dense, fossiliferous
205-210	sandstone, dark gray, very fine-grained, non-calcareous

Lomax - Well No. 1

210-220	shale, dark gray, platy, dolomitic
220-225	shale, dark gray, platy, non-dolomitic; shale, gray, sandy
225-230	shale, gray, platy, sandy
230-235	shale, gray; coal (burns), 8%
235-240	shale, gray to light gray; limestone, tan, mottled white, dense
240-285	sandstone, gray, very fine-grained, varved with brown color bands in the sandstone; non-dolomitic
285-295	shale, gray, dense
295-300	coal, black (burns); shale, dark gray
300-325	coal, black; shale, gray, sandy
325-331	shale, dark gray, sandy, with thin coal splits
331-341	<u>Core #1</u>
	331-335 Shale and coal (impure), variegated as thin variegations, horizontal; readily parts on bedding planes.
	335-336.2 Shale, gray, with minor coal partings.
	336.2-338 Coal streaks with gray-black shale. Pyritic zones 1/4" thick.
	338-340 Shale, gray, dense, sandy.
341-345	shale, dark gray, sandy, with thin coal splits
345-350	shale, light gray, sandy; limestone, tan; dense
350-355	limestone, light gray, sandy
355-360	sandstone, gray; odor and apparent oil showing on pit

Lomax - Well No. 1

360-380	limestone, dark gray
380-385	shale, dark gray (dolomitic?)
385-390	limestone, tan, dense; minor showing of coal
390-395	coal, black
395-400	limestone, light gray; minor coal showing
400-410	shale, gray, sandy
410-415	limestone, dark gray, sandy, shaley; showing coal
415-420	coal, black; shale, dark brown (20%)
420-425	coal, black; limestone, gray, sandy
425-430	shale, black, hard, fissile; limestone, tan, dense, dolomitic
430-440	sandstone, tan to brown, fine-grained, thinly bedded, hard, calcareous
440-445	sandstone, brown, fine-grained, hard, calcareous
445-460	sandstone, brown, fine-grained; hard, fluorescence yellow under ultraviolet light
460-465	sandstone, brown, fine-grained; shale, dark gray
465-470	sandstone, brown, fine-grained; moderate fluorescence
470-475	missed
475-480	sandstone, gray, fine-grained, faint fluorescence
480-485	sandstone, gray, fine-grained; coal, black; shale, dark gray
485-495	limestone, gray, dense; showing of coal
495-500	shale, gray; minor coal

Lomax - Well No. 1

500-695	missing
695-705	coal, black; with gray shale
705-710	shale, gray; shale, dark gray, pyritic fragments
710-715	shale, gray, sandy to possible sandstone; pyritic (?)
715-725	sandstone, fine-grained, alternating with thin, carbon bearing shale, dark gray, pyritic
725-730	sandstone, fine-grained; shale, dark gray
730-735	sandstone, fine-grained, gray to light gray; shale, dark gray, sandy as thin bands
735-740	sandstone, fine-grained, gray-highly porous; shale, dark gray, sandy, abundant pyritic; possible loose sand
740-745	sandstone, fine-grained, light gray; some loose sand coating sample surface held by soft shale fragments
745-750	sand, semi-rounded to angular, fine-grained
750-760	missing
760-765	sand, fine-grained, gray to medium dark gray; odor of petroleum in sample
765-770	sand, fine-grained, light gray; no odor
770-775	sand, fine, light gray; carbon specks common
775-780	sand, fine, light gray
780-785	sand, fine, light gray; pyritic common
785-790	sand, fine, gray; shale, gray, fragments
790-795	sand, fine, dark gray, with coal 45%
795-800	sand, fine, gray; limestone, buff-white, dense, possibly cherty in part, pyrite common

A-19

Lomax - Well No. 1

800-805 sand, fine, gray; limestone, buff-white, dense

805-816 missing or not collected due to high output of
water

T. D.

Permit #: 20142

Date Issued: 2-2-81

County: Cass

Date Cancelled: _____

CONFIDENTIAL UNTIL: _____

Date Plugged: 2-12-81

COMMENTS:

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

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

Additional Submitted Data: