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# NEW MEXICO OIL CONSERVATION COMMISSION

(Form C-104)  
Revised 7/1/57

Santa Fe, New Mexico

## REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well  
~~Recompletion~~

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Hobbs, New Mexico December 9, 1964  
(Place) (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Shelly Oil Company Hobbs "Q", Well No. 2, in NE  $\frac{1}{4}$  SW  $\frac{1}{4}$ ,  
(Company or Operator) (Lease)

"K", Sec. 16, T. 24-S, R. 36-E, NMPM., Undesignated Pool  
Unit Letter

Lee County. Date Spudded Nov. 11, 1964 Date Drilling Completed Nov. 22, 1964

Please indicate location:

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

Section 16  
#2

Elevation 3389' BP Total Depth 3900' PBD 3768'

Top Oil/Gas Pay 3743' Name of Prod. Form. Seven Rivers

PRODUCING INTERVAL -

Perforations 3743-3749', 3752-3754', 3761-3765'

Open Hole \_\_\_\_\_ Depth \_\_\_\_\_ Casing Shoe 3900' Depth \_\_\_\_\_ Tubing 3615'

OIL WELL TEST -

Natural Prod. Test: \_\_\_\_\_ bbls. oil, \_\_\_\_\_ bbls water in \_\_\_\_\_ hrs, \_\_\_\_\_ min. Size \_\_\_\_\_ Choke

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of Choke load oil used): 7 1/2 bbls. oil, 21 bbls water in 24 hrs, \_\_\_\_\_ min. Size 15/64"

GAS WELL TEST -

Natural Prod. Test: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_ Choke Size \_\_\_\_\_

Method of Testing (pitot, back pressure, etc.): \_\_\_\_\_

Test After Acid or Fracture Treatment: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_

Choke Size \_\_\_\_\_ Method of Testing: \_\_\_\_\_

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): Treated with 1250 gals. Acid, 10,000 gals. Lee Oil & 10,000# 20/40 sand.

Casing \_\_\_\_\_ Tubing \_\_\_\_\_ Date first new \_\_\_\_\_  
Press. Packer Press. 320# oil run to tanks December 3, 1964

Oil Transporter The Permian Oil Corporation

Gas Transporter None

Remarks: \_\_\_\_\_

Well flowed 7 1/2 barrels of oil and 21 barrels of water in 24 hours through  
15/64" choke, T.P. 320#.

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved: Dec 11 1964, 19\_\_\_\_

Shelly Oil Company  
(Company or Operator)  
(ORIGINAL)  
(SIGNED) H. E. Ash

By: \_\_\_\_\_ (Signature)

OIL CONSERVATION COMMISSION

By: \_\_\_\_\_

Title \_\_\_\_\_

Title: Dist. Supt.  
Send Communications regarding well to:

Name: Shelly Oil Company

Address: Box 730 - Hobbs, New Mexico

**DEPOSITION AFFIDAVIT**

Date December 9, 1964

**New Mexico Oil Conservation Commission**

**P. O. Box 1980**

**Hobbs, New Mexico**

State of New Mexico

County of Lea

H. E. Aab, of lawful age, being first duly sworn deposes and says:

That he is employed by Skelly Oil Company in the capacity of Dist. Supt.  
and is fully acquainted with the facts as set forth herein.

That during the months of November 19 64, Hondo Drilling Company  
ran the following Deviation Surveys for Skelly Oil Company on their Hobbs "Q"  
Well No. 2, in NE 1/4 of SW 1/4 of Section 16-24S-36E, 13TM, Undesignated  
Pool, Lea County, New Mexico.

**SLOPE TEST DATA**

<u>Depth In</u>	<u>Angle in Degrees</u>	<u>Depth In</u>	<u>Angle in Degrees</u>
367	1/2	2085	3/4
627	1/2	2371	1-1/2
893	1/2	2865	2
1282	1/4	3251	2-1/4
1546	1/4	3538	2
1828	3/4	3900	2-1/2

Subscribed and sworn to before me this 9th  
day of December, 19 64.

William F. Krafft Jr.

Notary Public in and for said County and State

My commission expires: August 7, 1965

I hereby certify that the information  
given above is true and complete to the  
best of my knowledge and belief.

J. E. Aab  
Name

**Dist. Supt.**

**Position**

**Box 730 - Hobbs, New Mexico**  
**Address**

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NEW MEXICO OIL CONSERVATION COM SION  
SANTA FE, NEW MEXICO  
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS**

**FORM C-110**  
(Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE


Company or Operator <b>Skelly Oil Company</b>				Lease <b>Hobbs "Q"</b>		Well No. <b>2</b>
Unit Letter <b>"K"</b>	Section <b>16</b>	Township <b>24-S</b>	Range <b>36-E</b>	County <b>Lee</b>		
Pool <b>Undesignated</b>				Kind of Lease (State, Fed, Fee) <b>State</b>		
If well produces oil or condensate give location of tanks		Unit Letter <b>"K"</b>	Section <b>16</b>	Township <b>24-S</b>	Range <b>36-E</b>	
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> <b>The Permian Oil Corporation</b>				Address (give address to which approved copy of this form is to be sent) <b>P. O. Box 3119, Midland, Texas</b>		
Is Gas Actually Connected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input type="checkbox"/> <b>None</b>		Date Connected	Address (give address to which approved copy of this form is to be sent)			
If gas is not being sold, give reasons and also explain its present disposition: <b>Gas being vented - Waiting on gas connection.</b>						

REASON(S) FOR FILING (please check proper box)

New Well ..... ☒ Change in Ownership ..... ☐  
Change in Transporter (check one) Other (explain below)  
Oil ..... ☐ Dry Gas .... ☐  
Casing head gas . ☐ Condensate.. ☐

Remarks <b>Oil will be trucked by Western Oil Transportation Company, Inc.</b>
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The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.  
Executed this the 9th day of December, 1964.

OIL CONSERVATION COMMISSION		By <b>(ORIGINAL SIGNED) H. E. Aab</b>
Approved by 		Title <b>Dist. Supt.</b>
Title <b>Engineer</b>		Company <b>Skelly Oil Company</b>
Date <b>DEC 11 1964</b>		Address <b>Box 730 - Hobbs, New Mexico</b>

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**NEW MEXICO OIL CONSERVATION COMMISSION**  
**MISCELLANEOUS REPORTS ON WELLS**

FORM C-103  
(Rev 3-55)

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company <b>Skelly Oil Company</b>				Address <b>Box 730 - Hobbs, New Mexico</b>			
Lease <b>Hobbs "Q"</b>	Well No. <b>2</b>	Unit Letter <b>"K"</b>	Section <b>16</b>	Township <b>24-S</b>	Range <b>36-R</b>		
Date Work Performed <b>11-22 thru 12-6, 1964</b>	Pool <b>Undesignated</b>			County <b>Lea</b>			

THIS IS A REPORT OF: (Check appropriate block)

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Beginning Drilling Operations | <input checked="" type="checkbox"/> Casing Test and Cement Job | <input checked="" type="checkbox"/> Other (Explain):<br><b>Perforating &amp; Treating</b> |
| <input type="checkbox"/> Plugging                      | <input type="checkbox"/> Remedial Work                         |   |

Detailed account of work done, nature and quantity of materials used, and results obtained.

Reached total depth of 3900' on November 22, 1964. Set 119 joints (3890') of new 5-1/2" OD 14# S-R SS J-55 R-2 ST&C casing at 3900' and cemented with 200 sacks by the Pump and Plug Process. Plug down at 5:30 A.M. November 23, 1964. Temperature Survey indicated top of cement behind 5-1/2" OD casing at 2703'. W.O.C. 24 hours. Pressured up to 600# for 30 minutes and casing tested OK. Perforated 5-1/2" OD casing from 3838-3844' and 3842-3844' with 2 jet shots per foot for a total of 4' and 8 shots. Ran Halliburton "RTTS" Packer and set at 3830'. Treated through 5-1/2" OD casing perfs. 3838-3844' with 250 gallons of Mud Acid. No commercial quantities of oil or gas recovered from these perforations. Squeezed through 5-1/2" OD casing perfs. 3838-3844' with 59 sacks of cement with maximum squeeze pressure of 6000 psi. Left one sack of cement in 5-1/2" OD casing filling from 3844' to 3825'. Picked up tubing and reset Halliburton "RTTS" Packer at 3770'. Perforated 5-1/2" OD casing from 3818-3822' with 2 jet shots per foot for a total of 4' and 8 shots. Treated through 5-1/2" OD casing perfs. 3818-3822' with 250 gallons Mud Acid. No commercial quantities of oil or gas recovered from these perforations. Squeezed through 5-1/2" OD casing perfs. 3818-3822' with 54 sacks of cement with maximum

**SEE REVERSE SIDE**

Witnessed by <b>Mr. Bob Calhoun</b>	Position <b>Area Foreman</b>	Company <b>Skelly Oil Company</b>
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FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY


ORIGINAL WELL DATA				
D F Elev.	T D	P BTD	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

**RESULTS OF WORKOVER**

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

**OIL CONSERVATION COMMISSION**

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved by 	Name <b>(ORIGINAL) H. E. Ash</b>
Title <b>engineer District</b>	Position <b>Dist. Supt.</b>
Date <b>DEC 11 1964</b>	Company <b>Skelly Oil Company</b>

aqueous pressure of 6000 psi. Left one sack of cement in 5-1/2" OD casing filling from 3622' to 3615'. Placed up tubing and reset Halliburton "KITB" packer at 3740'. Perforated 5-1/2" OD casing with tubing gun from 3772-3776', 3780-3784', 3791-3793', 3794-3796', 3805-3808' with 2 jet shots per foot for a total of 15' and 30 shots. Treated through 5-1/2" OD casing ports. 3772-3808' (Intervals) with 250 gallons of HCl acid. No commercial quantities of oil or gas recovered from these perforations. Lowered packer to 3760'. Squashed through 5-1/2" OD casing ports. 3772-3808' (Intervals) with 40 sacks of cement with maximum aqueous pressure of 6000 psi. Left one sack of cement in 5-1/2" OD casing below packer at 3760'. RWD 3760'. Mixed packer to 3710'. Perforated 5-1/2" OD casing with tubing gun from 3743-3749', 3752-3754', 3761-3765' for a total of 12' and 24 shots. Lowered packer to 3752'. Treated through 5-1/2" OD casing ports. 3743-3765' (Intervals) with 250 gallons HCl acid with packer winging. Placed up tubing and set packer at 3709'. Snubbed and tested well. Treated through 5-1/2" OD casing ports. 3743-3765' (Intervals) with 1000 gallons low tension non-emulsion acid. Snubbed and tested well. RWD tubing and set packer at 3615'. Treated through 5-1/2" OD casing ports. 3743-3765' (Intervals) with 10,000 gallons lease oil, 10,000 20/40 sand, 250# Mark II Adomite using 10-7/8" Nylon Ball Sealers dropped halfway through treatment.

After recovering all load oil well flowed 74 barrels of oil and 21 barrels of water in 24 hours.