

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-73
Format 06-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator
Sun Exploration & Production Co.
Address
P. O. Box 1861, Midland, Texas 79702

Reason(s) for filing (Check proper box)
☐ New Well
☐ Recompletion
☐ Change in Ownership
 Change in Transporter of:
☐ Oil
☒ Casinghead Gas
☐ Dry Gas
☐ Condensate
 Other (Please explain):
 No gas sold or flared, gas being used as lease fuel.

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name Emery King, N. W.	Well No. 6	Pool Name, including formation Langlie Mattix Seven Rvrs Queen Grayburg	Kind of Lease State, Federal or Fee Fee	Lease No. NM549
Location Unit Letter C : 440 Feet From The north Line and 2200 Feet From The west Line of Section 1 Township 23-S Range 36-E N10W Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ Sun Refining & Marketing Co.	Address (Give address to which approved copy of this form is to be sent) P. O. Box 3187, Longview, TX 75606
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐ None - gas used as lease fuel	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks. Unit C Sec. 1 Twp. 23-S Rge. 36-E	Is gas actually connected? when No, gas used to run engine on well

If this production is commingled with that from any other lease or pool, give commingling order number: _____

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Maria L. Perez
(Signature)
Senior Accounting Assistant
(Title)
12-3-84
(Date)

OIL CONSERVATION DIVISION

APPROVED 12-3-84, 19____
BY _____
TITLE Oil & Gas Supervisor

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filled for each pool in multiply completed wells.

III. COMPLETION DATA

Designate Type of Completion - (X)		Oil well	Gas well	New well	Workover	Deepen	Plug back	Same Res'v.	Diff. R
Date plugged	Date Compl. Ready to Prod.	Total Depth				P.B.T.D.			
Elevations (T.F., H.B., A.T., G.R., etc.)	Name of Producing Formation	Top Oil/Gas Pay				Tubing Depth			
Perforations						Depth Casing Since			
TUBING, CASING, AND CEMENTING RECORD									
POLE SIZE		CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

IV. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top oil sold for this depth or be for full 24 hours.)

Date First New Oil Run To Tanks		Date of Test	Producing Method (flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Coke Size	
Method Prod. During Test	Oil/Gas	Water/Gas	Grav. Cond.	
GAS WELL				
Actual Prod. Test-MMCF/D	Length of Test	Sale. Condensate/MMCF	Gravity of Condensate	
Testing Method (flow, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Coke Size	

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OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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OPERATOR	

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.
NMJ 549

1a. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

2. Name of Operator
Sun Exploration & Production Co.

3. Address of Operator
PO Box 1861, Midland, Texas 79702

4. Location of Well
UNIT LETTER C LOCATED 440 FEET FROM THE North LINE AND 2200 FEET FROM THE West LINE OF SEC. 1 TWP. 23-S RGE. 36-E NMPM

7. Unit Agreement Name

8. Farm or Lease Name
Emery King, NW

9. Well No.
6

10. Field and Pool, or Wildcat
Langlie Mattix Seven Rivers Queen Grayburg

15. Date Spudded
5-29-84

16. Date T.D. Reached
6-4-84

17. Date Compl. (Ready to Prod.)
6-5-84

18. Elevations (DF, RKB, RT, GR, etc.)
3421' GR

19. Elev. Casinghead

20. Total Depth
3800'

21. Plug Back T.D.
3784'

22. If Multiple Compl., How Many

23. Intervals Drilled By
Rotary Tools ☒ Cable Tools ☐

24. Producing Interval(s), of this completion - Top, Bottom, Name
3582'-3746' Langlie Mattix perms, (Seven Rivers & Queen formation)

25. Was Directional Survey Made
Inclination report

26. Type Electric and Other Logs Run
CNL

27. Was Well Cored
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	568'	12 1/4"	400 sxs "C"	100 sxs
5-1/2"	14#	3800'	7-7/8"	925 sxs Lite, "C", 50-50	97 sxs
				PO	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	3542'	

31. Perforation Record (Interval, size and number)

3739'-3746'	(1-JSPF, 8 holes)	Langlie-Mattix
3661'-3695'	(1-JSPF, 35 holes)	Langlie-Mattix
3707'-3735'	(1-JSPF, 26 holes)	Langlie-Mattix
3582'-3620'	(1-JSPF, 22 holes)	Langlie-Mattix

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
SEE ATTACHED	

33. PRODUCTION

Date First Production
7-9-84

Production Method (Flowing, gas lift, pumping - Size and type pump)
2 x 1 1/2 x 16' pump

Well Status (Prod. or Shut-in)
Prod

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
7-30-84	24			33	1	36	30/1

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
						33.8° @ 82

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Flare- Flaring 1 MCFPD

Test Witnessed By
R.L. Shipman

35. List of Attachments
C-104, Inclination report

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Maria L. Perez TITLE Senior Acctg. Assistant DATE July 31, 1984

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>1370</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>1460</u>	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt <u>2890</u>	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>2999</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers <u>3268</u>	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>3642</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>3582</u> to <u>3621</u>	No. 4, from _____ to _____
No. 2, from <u>3660</u> to <u>3745</u>	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet	_____
No. 2, from _____ to _____ feet	_____
No. 3, from _____ to _____ feet	_____
No. 4, from _____ to _____ feet	_____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
1370	1460	90	Rustler Anhydrite				
1460	2890	1430	Salt w/ interbedded anhy & shale				
2890	2999	109	Interbedded limestone, dolomite, salt & Anhydrite				
2999	3268	269	Sandstone & Dolomite				
3268	3642	374	Dolomite w/ interbeds of sandstone				
3643	3790	147	Sandstone w/ interbeds of dolomite				

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