

OIL CONSERVATION DIVISION

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Operator Sun Exploration & Production Co.	Well API No. 30-025-30577
Address P. O. Box 1861, Midland, Texas 79702	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input checked="" type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
If change of operator give name and address of previous operator	

II. DESCRIPTION OF WELL AND LEASE

Lease Name J. A. Akens	Well No. 17	Pool Name, Including Formation Hardy-Tubb-Drinkard	Kind of Lease State, Federal or Fee	Lease No. Fee
Location Unit Letter T : 2260 Feet From The South Line and 800 Feet From The West Line Section 3 Township 21-S Range 36-E , NMPM, Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Arco Pipeline Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box XX, Denver City, Texas					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Phillips 66 Natural Gas Co.	Address (Give address to which approved copy of this form is to be sent) 4001 Penbrook, Odessa, Texas 79762					
If well produces oil or liquids, give location of tanks.	Unit R	Sec. 3	Twp. 21S	Rge. 36E	Is gas actually connected? Yes	When? 4-23-89

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input checked="" type="checkbox"/>	Gas Well	New Well <input checked="" type="checkbox"/>	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded 3-22-89	Date Compl. Ready to Prod. 4-14-89		Total Depth 7000'		P.B.T.D. 6912'			
Elevations (DF, RKB, RT, GR, etc.) 3564.0' GR	Name of Producing Formation Tubb-Drinkard		Top Oil/Gas Pay 6585'		Tubing Depth 2 7/8" @ 6459'			
Perforations 6565-6806', 1 JSPF, 85 Holes					Depth Casing Shoe 7000'			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
17 1/2"	13 3/8"		420'		425 sxs			
11"	8 5/8"		4050'		1350 sxs			
7 7/8"	5 1/2"		7000'		800 sxs			

V. TEST DATA AND REQUEST FOR ALLOWABLE

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

Date First New Oil Run To Tank 4-23-89	Date of Test 5-2-89	Producing Method (Flow, pump, gas lift, etc.) Flowing	
Length of Test 24 hrs.	Tubing Pressure 140#	Casing Pressure	Choke Size 1/2"
Actual Prod. During Test	Oil - Bbls. 249	Water - Bbls. 200	Gas- MCF 446

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR 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 above is true and complete to the best of my knowledge and belief.

Maria L. Perez
Signature
Maria L. Perez Accountant
Printed Name
5/19/89 Date
915/688-0375 Telephone No.

OIL CONSERVATION DIVISION
MAY 22 1989

Date Approved
By ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR
Title

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO.
30-025-30577
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____	7. Lease Name or Unit Agreement Name J. A. Akens
b. Type of Completion: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DEEP RESVR <input type="checkbox"/> OTHER _____	
2. Name of Operator Sun Exploration & Production Company	8. Well No. 17
3. Address of Operator P. O. Box 1861, Midland, Texas 79702	9. Pool name or Wildcat Hardy-Tubb-Drinkard

4. Well Location Unit Letter <u>T</u> : <u>2260</u> Feet From The <u>South</u> Line and <u>800</u> Feet From The <u>West</u> Line Section <u>3</u> Township <u>21-S</u> Range <u>36-E</u> NMPM Lea County				
10. Date Spudded 3-22-89	11. Date T.D. Reached 4-12-89	12. Date Compl. (Ready to Prod.) 4-14-89	13. Elevations (DF & RKB, RT, GR, etc.) 3564.0'	14. Elev. Casinghead
15. Total Depth 7000'	16. Plug Back T.D. 6912'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools <input checked="" type="checkbox"/> Cable Tools	
19. Producing Interval(s), of this completion - Top, Bottom, Name 6585'-6806', Tubb-Drinkard				20. Was Directional Survey Made No
21. Type Electric and Other Logs Run DLL, Z Density-CNL-GR, GR-CCL-BAL				22. Was Well Cored No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.5#	420'	17 1/2"	425 sxs "C"	157 sx Circ
8 5/8"	24 & 32#	4050'	11"	1350 sxs Lite & "C"	21 sxs Circ
5 1/2"	15.5#	7000'	7 7/8"	800 sxs Lite & H	TGC @ 3900'

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8"	6459	6459

26. Perforation record (interval, size, and number) 6585-6806; 1JSPF, 85 holes, Tubb-Drinkard	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	6585-6806'	Acidz'd w/12,000 gls 20%
	NEFEHCL. Frac'd w/100,000 gls mini-max 3 + 46,000 gls CO2 + 200,000# 20/40 Brady Sd.	

28. PRODUCTION							
Date First Production 4-23-89		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Prod.	
Date of Test 5-2-89	Hours Tested 24	Choke Size 1/2"	Prod'n For Test Period	Oil - Bbl. 249	Gas - MCF 446	Water - Bbl. 200	Gas - Oil Ratio 1791/1
Flow Tubing Press. 140#	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 43.2 @ 60°	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold	Test Witnessed By
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30. List Attachments C-103, C-104, inclination report

31. 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

Signature Maria L. Perez Printed Name Maria L. Perez Title Accountant Date 5-19-89

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 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 run on the well.

Deviation surveys taken on Sun Exploration & Production's J. A. Akens #17 well in Lea County, New Mexico:

<u>Depth</u>	<u>Degree</u>
420	1.50
761	.75
1261	1.00
1666	.50
1947	1.00
2445	2.50
2537	1.50
2663	1.50
2855	1.50
3127	.50
3621	1.00
4050	.75
4563	1.25
5553	1.50
7000	1.00

I hereby certify that I have personal knowledge of the facts placed on this sheet and that such information given above is true and complete.

S. Howard Norton
Norton Drilling Company

Before me, the undersigned authority, on this day personally appeared S. Howard Norton, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is the drilling contractor of the well identified in this instrument and that such well was not intentionally deviated from the vertical whatsoever.

S. Howard Norton
S. Howard Norton

SWORN AND SUBSCRIBED TO before me this 19th day of April 1989.

Pat Farrell
Notary Public in and for
Lubbock County, Texas.