Called in by Bill Carr 3/5/85

March 2), 1985
From
FLORENE DAVIDSON

Staff Specialist

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Myco Industries Salt Water Llisposal Eddy County Shell Oil Company Big Eddy Unit # 1 660N + 1980/W 36-215-28E Alevorian formation 13,820' to 14,051 14,059' to 14,200'

Oil Conservation Santa Fe, New Mexico

of the earlier submittal.

### **OIL CONSERVATION DIVISION**

POST OFFICE BOX 20HB STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO B7501

FORM C-108 Revised 7-1-81

Case 8545

APPLIC	ATION FOR AUTHORIZATION TO INJECT
I.	Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage Application qualifies for administrative approval? ☐ yes ☐ no
II.	Operator: MYCO Industries Inc.
	Address: 207 S. 4th Artesia, N.M. 88210
	Contact party: Frank Yates Jr., P.E. Phone: (505)748-1331 Ext. 20
III.	Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? ☐ yes ☑ no If yes, give the Division order number authorizing the project
٧.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and</li> <li>If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).</li> </ol>
VIII.	Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
х.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification
	I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	Name: Frank Yates Jr. Title Professional Engineer
	Signature: Thank Make Up. P.E. Date: 3-6-85

N/A

#### III. WELL DATA

- A. The following well-data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
  - (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
  - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
  - (3) A description of the tubing to be used including its size, lining material, and setting depth.
  - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
  - (1) The name of the injection formation and, if applicable, the field or pool name.
  - (2) The injection interval and whether it is perforated or open-hole.
  - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
  - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
  - (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

#### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fc, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

### Proposal:

- I. It is proposed that the Big Eddy Unit #1 be re-entered for the purpose of making a disposal well. Existing cerent plugs would be drilled out and the well deepened from 14,059 to  $14,200^{\frac{1}{2}}$ . The plan is to run new casing and inject into the Devonian from 13,820 to 13,836 and 14,002 to 14,051. It is also proposed that zones between 14,059 and 14,200 $^{\frac{1}{2}}$  be used for disposal into the Devonian.
- II. The operator will be;
  MYCO Industries, Inc.
  207 S. 4th St.
  Artesia, N.M. 88210

#### III B.

- 1.) The Shell Big Eddy #1 was drilled in the Big Eddy
  Unit as a wildcat well to 14,059 in the Devonian formation.
  The well was spudded on 9-25-57 and plugged and abandoned
  9-24-58.
- 2.) The injection interval will be in the Devonian from 13,820' to 14,051' and between 14,059 and 14,200<sup>±</sup>. The entire interval will be perforated through 4", 13# S-95, LT & C casing set to the proposed TD. There will be no open hole injection. See Fig. III A 2.
- 3.) The well was originally drilled as a wildcat to search for oil and gas. Eleven DST's were performed in several formations in this well. They are described in the accompanying well report from the N.M. Oil Conservation Commission.
- 4.) The existing perforations were in 5 1/2" casing between 11,456 ft. and 11,549 ft. They were plugged with 50 sacks of cement spotted between 11,200 ft., and 11,650 ft. MYCO's intent is to drill out the plug, re-acidize and squeeze the perforations with 100 sacks of Class 'C' cement. (See Well Data Sheet and Figures.)

- 5.) The following sheet shows formation tops and lithology of higher oil and gas zones. The two offsetting gas wells 1/2 mile from the proposed injection well are producing from the Morrow Sands which apparently occur in the Big Eddy #1 between 12,200 ft. and 12,850 ft. An impermeable layer of shale from 13,640 ft. to 13,800 ft. protects the . gas zones. (See the following formation record and the PI cards in section VI.)
- IV. This is not an expansion of an existing project.
- V. See accompanying map.
- VI. The are no wells within the area of review which penetrate the Devonian (the proposed injection zone). There are two wells within the area of review: Big Eddy 93 which has a TD of 12,750 and Big Eddy 66 which has a TD of 12,700. Each well is producing from the Morrow formation between 12,270 & 12,440. (See the following PI cards.)

VII.

1.) The proposed average daily injection rate is 3000 bls./ day. The maximum rate requested is 10,000 bls/day. The estimated total volume of fluid to be injected during the life of the project will be about  $2.0 \times 10^8$  barrels.

Case 854**8** 

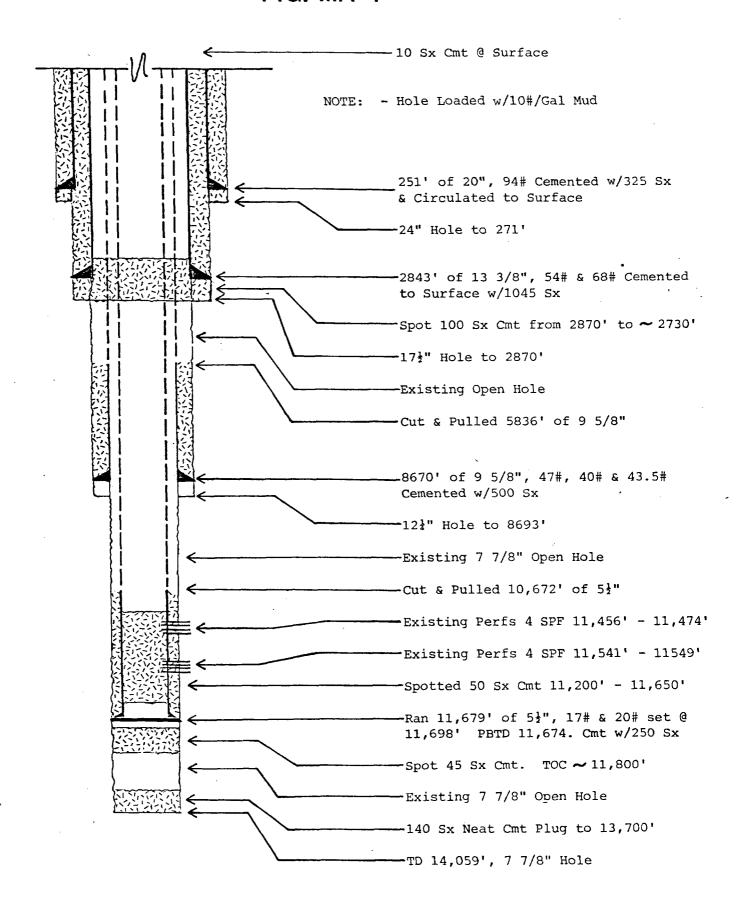
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_11,541' - 11,549' plugged w/ 5	0 sx cmt.	11,20	00 to 11,6	550	

### MYCO INDUSTRIES INC.

# BIG EDDY UNIT #1 UNIT C SEC.36 T21S-R28E

### PRESENT WELL CONDITION

FIG. IIIA 1



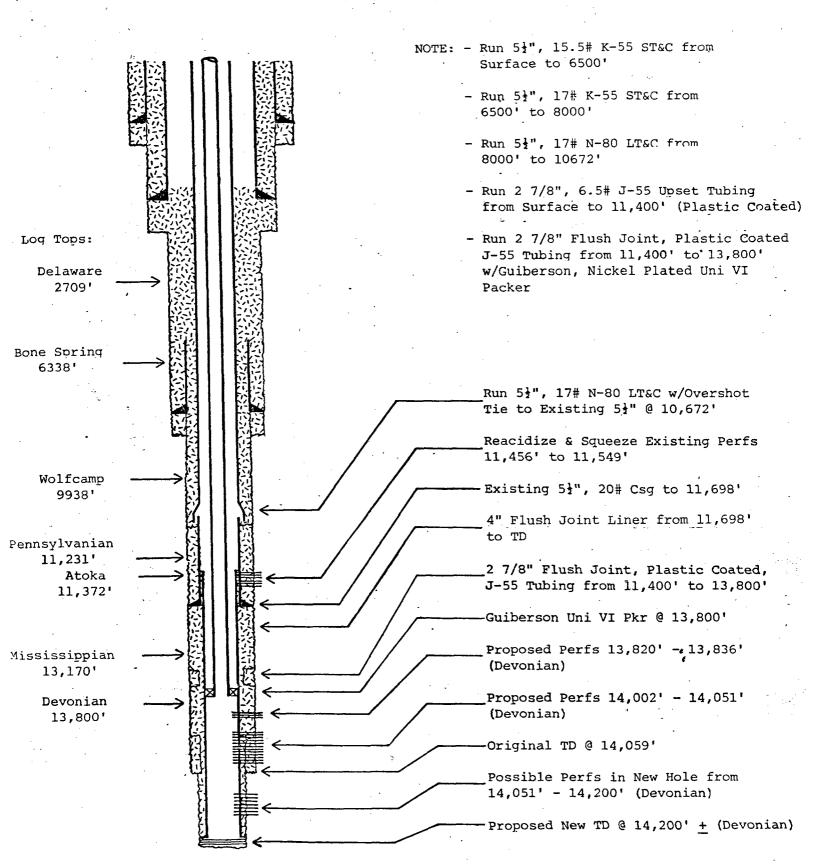
Case 8545

Marco   Industries, Inc.   Big Eddy Unit   Township   Down   1   660 FNL s 1980 FEL   36	OPERATOR	LEASE		
1 660 FNL 5 1980 FEL   36	MYCO Industries, Inc.			
See Pigure IIIA2  Surface Casing  Size 20"	_			
Schematic   Surface Casing   Surface Casing   Size 20"	1 660 FML % 1980 FEL			
See Figure IIIA2    Surface Casing   Size   20"   Cemented with   325   ax.     ToC   Surf   Feet determined by   Visual     Hole size   24"   Intersectate Cosing     Size 13 3/8, 9 5/8   Cemented with 1045/500   sx.     ToC   Surf/5840!   Foet determined by Visual/Dond 10     Hole size 17 1/2, 12 1/4   Feet determined by Visual/Dond 10     Hole size 17 1/2, 12 1/4   Feet determined by   Dond log     Hole size   7.7/8"   4 1/2"     Total depth   4,200   Feet determined by   Dond log     Hole size   7.7/8"   4 1/2"     Total depth   4,200   Feet determined by   Dond log     Hole size   7.7/8"   A 1/2"     Total depth   4,200   Feet to   14,051   Feet     Topic   Feet   Feet   Feet   Feet   Feet   Feet     Feet   Feet   Feet   Feet   Feet   Feet   Feet   Feet     Feet	Schematic		_	•
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Size 13 3/8, 9 5/9 Cemented with 1045/500 sv.  10C surf/5840' feet determined by visual/bond low Hole size 17 1/2, 12 1/4  Leng string  Size 5 1/2, 4" Cemented with 2500/1000 sx.  10C 2800' feet determined by bond log  Hole size 7 7/8" / 4 1/2"  Total depth 14,200 <sup>±</sup> Injection interval  13,820 feet to 14,051 feet (perforated or spen-hole, indicate which)  *Also in proposed new cased hole between  14,059 and proposed TD in the Devonian of 14,200 <sup>±</sup> .  Guiberson INI VI (nickle coated) packer st 13,800 feet (perforated or spen-hole, indicate which)  *Also in proposed TD in the Devonian of 14,200 <sup>±</sup> .  Tubing size 2 7/8" lined with plastic (saterial)  Guiberson INI VI (nickle coated) packer st 13,800 feet in a complete seed of the se		<del></del>		
Tubing size   2 7/8"   lined withplastic   feet to14,051   feet [perforated or open model]			<del>-</del>	
Hole size 17 1/2, 12 1/4  Long string Size 5 1/2, 4" " Cemented with 2500/1000 ex.  10c 2800' feet deterained by bond log  Note size 7.7/8" / 4 1/2"  Total depth 14,200±  Injection interval  13,820 feet to 14,051 feet  Imperiorated or open-hole, indicate which)  *Also in proposed row cased hole between  14,059 and proposed TD in the Devonian  of 14,200±.  Suberson LNI VI (nickle coated) packer at 13,800 feet  (brand and model)  (or describe sny other casing-tubing seal).  Other Data  1. Name of the injection formation Devionian  2. Name of field or Pool (if applicable) N/A  3. Is this a new well drilled for injection? Tyes KT No  If no, for what purpose was the well originally drilled? oil or gas  At Man the well ever heen perforated in any ather zone(a)? List all such perforated intervels and give plugging detail (sacks of seesat or bridge plug(s) used) perfs 11,456 - 11,474 s 11,541 - 11,554  plugged w/50 sacks cmt 11,200 - 11,650  5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Mississippian black shale 13,645 to 13,800  Atoka 11,372 to 13,644				
Long string   Size 5 1/2, 4"   Cemented with 2500/1000 ex.   TOC 2800'   Feet deterained by   bond log   Hole size 7.7/8" / 4 1/2"   Total depth 14,200±			<del>-</del>	visual/bond log;
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Hole size   7.7/8"   4.1/2"		Size $5 \frac{1}{2}, 4$ "	Cemented with	2500/1000 sx.
Injection interval  13.820		TOC2800'	feet determined by	bond log
Injection interval  13.820				
Injection interval    13,820    feet to   14,051    feet		Total depth 14,20	00+	
13,820   feet to   14,051   feet				
*Also in proposed new cased hole between  14,059 and proposed TD in the Devonian  of 14,200 <sup>±</sup> .  Tubing size 27/8" lined with plastic (material)  Guiberson UNI VI (nickle coated) packer at 13,800 feet  (brand and model)  (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation Devionian  2. Name of field or Pool (if applicable) N/A  3. Is this a new well drilled for injection? 7 Yes 87 No  If no, for what purpose was the well originally drilled? oil or gas  4. Has the well ever been perforated in any other zone(a)? List all such perforated intervals and give plunging detail (sacks of cement or bridge plung(s) used)  perfs 11,456 - 11,474 & 11,541 - 11,549  plunged w/ 50 sacks cmt 11,200 - 11,650  5. Give the depth to and name of any overlying and/or underlyism oil or gas zones (pools) in this area. Mississippian black shale 13,645 to 13,800			14.051	6
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Atoka 11,372 to 13,644	5. Give the depth to and name of ar	y overlying and/or u	underlyima oil or gos z	ones (pools) in
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# MYCO INDUSTRIES INC.

# BIG EDDY UNIT #1 UNIT C SEC. 36 T21S-R28E PROPOSED WELL CONDITION

FIG. IIIA 2



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Tubi Abo. Pense Miss **********************************	11,23 13,17 To 300 520 1320	1. (-8 0. (-9 Thickness in Feet 300 220 800	T.A.  THE  O12') T.  951') T.  Formation  Silt, Sand, Shallypana Salt	toka 11,372° (-61 iss. Flack Shale FORMATION RECO	53') 13,615 (-10,1) ORD	T. T. ZÓ¹) T. T.		
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Tubli Abo. Pensa Missa M	To  300 520 1320 2870 6310 7670 9500 9810 10330 11500 11500 11500 112200 12850 1170 13610	Thickness in Feet 300 220 600 1500 1500 520 520 600 100 6600 650 320 1170	Formation  Silt, Sand, Shall  Sypeum  Salt  Anhydrite  Linestone Sand & Shale  Linestone & Chen	FORMATION RECO	53') 13,615 (-10,1) ORD	T. T. ZÓ¹) T. T.		
Tubli Abo. Pensa Missa M	11,23 13,17 300 520 1320 2720 2870 6310 7670 9500 9510 10330 11500 11500 11500 12850 11360 12850 13170 13170 13170 13170 13170	Thickness in Feet  300 220 1100 150 3170 1090 320 1830 100 600 600 600 600 1100	Formation  Silt, Sand, Shall  Typeum  Silt, Sand, Shall  Typeum  Salt  Anhydrite  Linestone  Sand w/streaks of  Line & Shale  Linestone w/stre  Silt & Sand  Sand & Shale  Linestone & Shale  Sand & Shale  Linestone & Cher  Shale  Linestone & Cher  Shale	FORMATION RECO	53') 13,615 (-10,1) ORD	T. T. ZÓ¹) T. T.		
Tubli Abo. Pensa Missa M	11,23 13,17 300 520 1320 2720 2870 6310 7670 9500 9510 10330 11500 11500 11500 12850 11360 12850 13170 13170 13170 13170 13170	Thickness in Feet  300 220 1100 150 3170 1090 320 1830 100 600 600 600 600 1100	Formation  Silt, Sand, Shall  Typeum  Silt, Sand, Shall  Typeum  Salt  Anhydrite  Linestone  Sand w/streaks of  Line & Shale  Linestone w/stre  Silt & Sand  Sand & Shale  Linestone & Shale  Sand & Shale  Linestone & Cher  Shale  Linestone & Cher  Shale	FORMATION RECO	53') 13,615 (-10,1) ORD	T. T. ZÓ¹) T. T.		
Tubli Abo. Penne Miss 520 570 310 1130 670 5500 6600 200	11,23 13,17 300 520 1320 2720 2870 6310 7670 9500 9510 10330 11500 11500 11500 12850 11360 12850 13170 13170 13170 13170 13170	Thickness in Feet  300 220 1100 150 3170 1090 320 1830 100 600 600 600 600 1100	Formation  Silt, Sand, Shall  Typeum  Silt, Sand, Shall  Typeum  Salt  Anhydrite  Linestone  Sand w/streaks of  Line & Shale  Linestone w/stre  Silt & Sand  Sand & Shale  Linestone & Shale  Sand & Shale  Linestone & Cher  Shale  Linestone & Cher  Shale	FORMATION RECO	53') 13,615 (-10,1) ORD	T. T. ZÓ¹) T. T.		

I hereby swear or affirm that the information given herewith is a	complete and correct record of the well and all work done on it so fa
as can be determined from available records.	September 26, 1958
Company or Operator Shell Oil Company	Address
Name Pox C. Cabaniss Original Signed By Rex C. Cabaniss	Position or Title District Exploitation Engineer

Well: PERRY R. BASS, 93 Big Eddy Unit Loc'n11 mi E/Carlsbad, 1980' FSL, 1980' Spud: 3-7-82; Comp: 6-16-82; Elev: 3196'Grd; TD: 12,750'Brnt Casing: 8-5/8" 3450'/1750 sx; 55"12,750'/600 sx; 2-3/8" 12,250 Prod Zone: (Mor), T/Pay 12, 343', Prod thru Perfs 12, 343-439' IPCAOF: 2945 MCFGPD, SIWHP 4000#, SIBHP 4013# Comp Info: ranDILL, MICL, SONL, FOCL, CNL, FDC logs; DST (Wolfc) FO (grav 50), 4565' wtr (sampler rec 7 CFG + 100 cc oil, 900 Cond +400 cc mud), ISIP 5640#/4 hrs, FP 138-302#, FSIP 5895#/ 912 MCFGPD/60 mins, TP 3375#, F/1277 MCFGPD/240mins, TP 3020# 575 MCFGPD/60mins, TP 3625#, F/749 MCFGPD/60 mins, TP 3475#, F/ A/1500 gals; (Mor) 5 point test: F/407 MCFGPD/60 mins, TP 3735#, F, 7 hrs 30 mins, BHT 148 deg; BP 12,710'; Perf (M/Mor) 7/12343-439' mins; DST-SP (Wolfc) 10,238-475', op 3 hrs 6 mins, GTS 9 mins cc wtr), ISIP 5270#/4 hrs, FP 140-2434#,FSIP 5346#/7 hrs 30 into ISI, rec & BC, 4.75 bbls GCM (sampler rec 12' gas, 300 cc 10,385-496', op 3 hrs 11 mins, GTS 25 mins into ISI, rec 1400 FWL Sec 36-215-28E

Nops EL: Bone Sprg 6338', Wolfc 9711', Strawn 11,069', Atoka 11,273' Petroleum Information API No: 30-015-24060 Date: 7-21-82 Card No.: 26 dh

HOW: 10 ml E/Carlibad; Sec 25-215-28E; 1980' FSL 2130' FWL of Sec; PERRY R. BASS 66 BIG Eddy Unit

S

DG

10-19-78; Comp: 4-6-79; El 135: 11-3/4" 329'/490 st; 8-5/ 1000' sul wtr, ISIP 1281 69 deg; DST (Dela) 58; Cored (Dela ISIP 2592#/1 he, FP 203-1386#, FSIP 2617#/3 hm; DST (Atoka)
15 mins, Rec 430 MCO + 120 MCW, ISIP 6846#/75 mins, FP
846#/2 hm 50 mins, HP 6987-6987#, BHT 186 deg; Perf (Mor) Jooo gaby Per 8" 2777'/1150 set 5-1/2" 12,688'/1100 se; 284 (gas) . 620, SIWHP 3842 Frod tieu Parts Li 78 Crd (Dela) 2905-17', Rec II' sd w/NS, no odor, op 4 km, Rec 20' odi + 583' SW, ISIP II74#/1 km, 1225-1225#; DST (Dela) 2970-3000', op 4 km, FP 32-465#, FSIP 1281#/3 km, HP 1325-1325#, 203-13864, gr, sd w/scat b /1 hr 50 mins @ TSTM, Rec scat bldg oil; Crd (Dela) 2898-2906', Rec 8' fine /11 sbout A SIBHP 5186#

COM NO.

1/Mor 12,448', Barnett

Bone Spring 6362

1754 MCFGPD /739 MCFPD F/85 BLW/5 has C

g

- 2.) The system will be closed with a pressure limiting device to shut the pumps down if the system exceeds the maximum allowable pressure.
- 3.) The estimated average injection pressure is 0 psi. The proposed maximum pressure is .2 psi/ft x 14,200 ft. = 2840. If the maximum pressure is approached we would like to seek administrative approval of a higher injection pressure based on a step rate test or other evidence.
- 4.) Initially the source for the disposal water will be from two (2) batteries which will serve four (4) wells operated by Myco Industries, Inc. in Section 10 T22S P28E. Chemical analysis follow. It is intended that the disposal will be expanded to future Delaware wells, and Delaware wells operated by other companies. It is expected that the composition of Delaware formation water is similar throughout the Delaware and that it will be compatible with Devonian Water. (See accompaning map)
- 5.) The nearest well penetrating the Devonian is the Fidel Federal #1 in 27-21-29. The well was drilled by P.R. Eass and plugged 6-27-67. Formation water data from the Devonian is scarce, but it is expected the Cholrides are about 25,000 ppm.

CC:

### HALLIBURTON DIVISION LABORATORY

#### HALLIBURTON SERVICES

### ARTESIA, NEW MEXICO 88210

### LABORATORY WATER ANALYSIS

No. W169 & W170-85

To Myco Indus	stries, Inc.	Date	February 2	7, 1985	
207 South Artesia, N	Fourth Street	it nor any part thereof r or disclosed without first of laboratory manageme course of regular busines	orty of Halliburton Company and neither nor a copy thereof is to be published st securing the express written approv- ment; it may however, be used in the ess operations by any person or conce- receiving such report from Halliburton		
Submitted by		Date Rec	February	27, 1985	
Well No.	Depth	Formation.		<u> </u>	
		Source			
	BIG EDDY #106	HOLE IN GROUND #1			
Resistivity	.05 @ 70°	.055 @ 70°	<del></del>		
Specific Gravity		1.124 @ 60°			
pH		7.0	**************************************		
Calcium (Ca)		14,430		*MP	
Magnesium (Mg)	2 020	3,370			
Chlorides (CI)	110 000	110,000	· · · · · · · · · · · · · · · · · · ·	•	
Sulfates (SO <sub>4</sub> )		Medium			
Bicarbonates (HCO <sub>3</sub> )	225	335			
Soluble Iron (Fe)	Nt.: 1	NilNil		<del></del>	
KCL		Nil			
Remarks:	· · · · · · · · · · · · · · · · · · ·		*Milligran	ns per liter	
	·	ully submitted,			
Anglyst: Warren La	ne - Field Engineer	HALLIBURTON	1 COMPANY		

#### NOTICE

### HALLIBURTON DIVISION LABORATORY

### HALLIBURTON SERVICES

### MIDLAND DIVISION ARTESIA, NEW NEXICO 88210

### LABORATORY WATER ANALYSIS

No. W78-85

To . Myco Indus	tries, Inc.	Date_Js	nuary 29, 1985				
207 South	Fourth Street		.  This report is the property of Halliburton Company and neitled it nor any part thereof nor a copy thereof is to be publish				
Artesia, N	M <b>8</b> 8210	or disclosed without first : of laboratory managemen	t; it may however, be used in the operations by any person or concern				
			ceiving such report from Halliburton				
Submitted by Frank	Yates, Jr.	:Date Rec	•				
Well No. Big Eddy U	Init #106 Depth 5543'	to 55981 Formation	Lower Delaware				
T. I. I.	Field	•	•				
		· · · · · · · · · · · · · · · · · · ·					
Resistivity	.05 @ 60°						
Specific Gravity	1.16	· .	·				
pH	7.0						
Calcium (Ca)			*MPL				
Magnesium (Mg)	2,400						
Chlorides (Cl)							
Sulfates (SO <sub>4</sub> )							
Bicarbonates (HCO <sub>3</sub> )	21.0	· .					
Soluble Iron (Fe)	Light						
KCL	Nil 🛴						
Oil	50% 40° @ 60°	. •					
***************************************	-						
Remarks:			*Milligrams per liter				
	Marriy ha	Zicl submitted,	<del></del>				
Applyst. Warren Lar	ne - Field Engineer	HALUBURTON	I COMPANY				

#### 1343 A

### HAL JURTON DIVISION LABORATOR

### HALLIBURTON SERVICES

#### MIDLAND DIVISION

ARTESIA, NEW MEXICO 88210 LABORATORY WATER ANALYSIS

To		Date_	7/10/84
My(0		it nor any part thereof or disclosed without fir of laboratory managen course of regular busin	rty of Holliburton Company and neither nor a copy thereof is to be published st securing the express written approve nent; it may however, be used in the ess operations by any person or concern receiving such report from Holliburtor
		Company.	
Submitted by		Date Rec	7/10/84
Well No Hola 10 6 no	with Depth 371	10-3.750 Formatio	n
County	Field	Source	Swall
		•	
Resistivity	.07@70°		
Specific Gravity	1,360 60°		
pH	6.4		
Calcium (Ca)	10.900		*Mp
Magnesium (Mg)	2700		
Chlorides (Cl)	121,000		
Sulfates (SO <sub>4</sub> )	Merian	•	
Bicarbonates (HCO <sub>3</sub> )	300		
Soluble Iron (Fe)	which !		
V. C. V.	Nill		
API Grant	40000	The state of the s	• • •
Remarks:		_	*Milligrams per liter
		•	•
	•		
· · · · · · · · · · · · · · · · · · ·	Respectfu	Illy submitted, -	
Analyst:		HALLIBURTO	ON COMPANY
icc:			

VIII. The proposed injection zone is in the Devonian formation which begins in this well at 13,814' and is estimated to be about 1100 ft. thick. The Devonian is a buff to tan, coarse crystalline dolomite with intercrystalline & vuggy porosity. The fresh water zones in this area are the Rustler Anhydrite from 330' to 405' and the Dewey Lake Redbeds from the surface to 330'

13000 ft. separate the disposal zone from the fresh water zones. Additionally, an impermeable layer of shale called the Mississippian Black Shale exists between the disposal zone (Devonian) and the fresh water zones. Other impermeable zones also protect the fresh water like a layer of anhydrite uphole from 2250 to 2700.

- IX. The proposed stimulation is to treat all perforations between 13,800 and  $14,200^{+}$  with 7000 gal of 15% acid.
- X. Well logs have been filed with the Division.
- XI. Following is a Chemical Analysis of the only fresh water well found within one mile.
- XII. Geologists representing MYCO have examined available data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of water.

CC:

### HALLIBURTON DIVISION LABORATORY

C-108 allachment

### HALLIBURTON SERVICES

### MIDLAND DIVISION ARTESIA, NEW MEXICO 88210

No. W144-85

	LABORATORY W	ATER ANALYSIS	No. W144-85				
To . Myco Industr	ies, Inc.	Date	February 20, 1985				
207 South Fo	ourth Street	This report is the property of Halliburton Campany and it nor any part thereof nor a copy thereof is to be pu					
Artesia, NM	88210	of laboratory manage course of regular but	first securing the express written approva gement; it may however, be used in the siness operations by any person or concer- cot receiving such report from Halliburto				
Submitted by Frank Ya	ites, Jr.	Date R	ec				
Well No.	Depth	Format	ion				
County	Field	Source	Water Well by Big				
			Eddy #1				
Specific gravity	1.003	T <sub>1</sub> , and					
Resistivity	1.55 @ 68°						
pH	7.0	•	:				
Calcium (Ca)	720		*MP				
Magnesium (Mg)	240		· .				
Chlorides (CI)	•						
Sulfates (SO <sub>4</sub> )	Light						
Bicarbonates (HCO <sub>3</sub> )	1.50						
Soluble Iron (Fe)	Nil Nil		<u> </u>				
•••••							
***************************************		:					
••••••••••							
Remarks:			*Milligrams per liter				
	1. Harrey						
	•	ly submitted,					
Analyst: Danny Harvey	y - Field Supervisor	HALLIBURI	ION COMPANY				

Form C-103 (Revised 3-55)

# NEW MEXICO OIL CONSERVATION COMMISSION MISCELLANEOUS REPORTS ON WELLS

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

COMPANY Shall Oil Company			845,	Ross	Jell,	New Mexic	:0	
(A)	ddres	s)						
LEASE Big Eddy Unit WELL NO	). <b>1</b>	UNIT	c	s 3	36	T-21-3	R	-28-E
DATE WORK PERFORMED3-25 thru 9-	-24-58	POQL	,	Wil	Ldent			
This is a Report of: (Check appropriat	e bloci	k) [	Re	sult	s of T	est of C	asing	Shut-off
Beginning Drilling Operations			Re	med	lial W	ork		
<b>I</b> Plugging			≚]ot	her_	Acidi	ze & San	dfrac	
Detailed account of work done, nature 1. Ran 371 jts. 2 1/2" tubing & hung @ 1 2. Displaced mud w/water.  3. Pulled up 13 jts. 2 1/2" tubing & set to Perforated 11,5t1' - 11,5t9' w/t jet 5. Ran swab to 11,250' & swabbed 1 ELO.  6. Pumped 250 gallons 7 1/2% HCA down to 7. Perforated 11,456' - 11,47t' w/t jet 8. In 12 hours swabbed 11 BF, cut 99% w 9. Londed hole w/oil & reperforated 11, per foot.  10. Treated perforations w/1000 gallons 11. In 10 hours swabbed 17 BF cut 95% was 12. Loaded tubing w/oil & treated casing gelled lease crude containing 1# sam sealers. Flushed w/90 EO.  FILL IN BELOW FOR REMEDIAL WOIl Original Well Data:	t Baker shots ubing & shots ater & 511' - 7 1/23 ter. perford & 0.1	FERC @ por foot spotted per foot 1% conde 11,549' MCA.	l over	59' ( 1n: 1,456	open-e terval ' - 11 " tubi	nded.  to be p  .,474' w/	erfors l jet COO ga	shots
DF Elev. TD PBD	F	Prod. In	t			compl D	ate	
Thng, Dia Thng Depth	_Oil S	tring Di	a		Oil	String I	epth_	
Perf Interval (s)								· .
Open Hole Interval Prod	lucing :	Formati	on (:	s)				
RESULTS OF WORKOVER:	<del></del>	····	,	BE	FORE	:	AFTE	CR CR
Date of Test			÷			_		
Oil Production, bbls. per day								
Gas Production, Mcf per day						•		<del></del>
Water Production, bbls. per day								
Gas-Oil Ratio, cu. ft. per bbl.						•. •		
Gas Well Potential, Mcf per day						•	<del></del>	
Witnessed by			-					
						Company		
OIL CONSERVATION COMMISSION	ab m	ove is t y knowle	rue : edge.	and		informate to the Original Res C.	c bes	t of
Title Committee						itation b		
Date		ompany						<del></del>
·		F 1		. ح.				

13. In 12 hours symbol 32 EF cut 60% water & 30% BS.

11. Treated formation via tubing u/h0,000 gallons 3% Intensified acid using 60 RCN balls. Flushed u/70 Bi.

15. In 3 hours subbod 8 BF cut 69% water & 31% heavy chilsion.
16. Pulled 2 1/2" tubing.

16. Palifed 2 1/2" tubing.

17. Pan 2 7/8" tubing open-ended to 11,646'.

18. Spotted 50 sm. Informo Slo-set cement 11,200' - 11,650'.

19. Raised 2 7/8" tubing to 11,038' & reversed out. Pulled tubing.

20. Cut & pulled 5 1/2" casing from 10,672' & 9 5/8" casing from 5836'.

21. Spotted cament plugs - 100 sm. regular neat - 2625' - 2565'

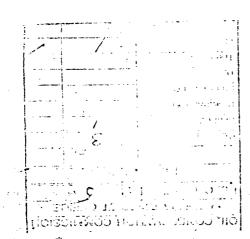
10 sm. regular neat - 18" - surface.

22. Cut off 13 3/8" Flange-welded flat steel plute on top 13 3/8".

23. Expected standard by x be marker whell location welded on same.

Frected standard 4" x 4" marker w/well location welded on same.

24. Well completed P&A 9-24-58.



	 	ı		
	i			
1	 _ 1	County	Tddv	
i	 	Common.	SALLETA	
į				
į	 ! ! !			

\_Depth\_14000'

Pool Wildcat \*

### SCOUT REPORT NEW MEXICO OIL CONSERVATION COMMISSION

Company	Shell Gil	Co.		Well	No. 1	Lease	Bi <i>r</i>	Eddy Unit	
660 <b>F</b> e	et from	N Line	1980	Feet	from W	Line,	Sec.36	Twp.21S	Rge .23E
	•	~5/5-	<b>y</b> 7	Stata	<u> </u>	. /	6.6.	dela da	
T. A		75						,	
T. X	<del></del>		Floreti	on 321	9 DE Soud	and 9-	25-57	Completed	9-24-58
B. X			bievac.	on - ·				. /	
T. Del Li		2704	T. Tu		Tota	l Denth	14059 d	ap A.	
T. Del Sc		28/1	T. Full		Top	Pav		District	5
T. Y	·		T. DR		I.P.		30	PD	
T, SR			T. Wich	Α.	Base		<u> </u>		Hrs.
T. Q			T, Abo		Chok	e:			Inch
T. PR			T. WC/	437 94	33 Tubi	ng	@		Ft,
T. GB			T. Hu		Pres	<b>5</b> :	Tbg.	Csg,	
T. SA			T. Per-		GOR	<u></u>	·	Gravity	
T. Clo					231 Effe	ctive Pe	rfs.;		
T. Blby			T. Stra	wn	1 22 10				
T. CF				13130 131	10				
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USG. 8	CEMENTIN			3800 108	AC10	. Frac &	Shooting		<del></del>
Size	Feet	Sax Cement	T. Sil				From From	To To	
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137/8	2870	13/5	T. E11		<del></del>		1 7 17	<del></del>	
0.5%	010	- 1	T. G.W.		······	:			
7 78	8693	200	T. Gr				SHOWS		
5-1/2	111 12 -		T. Bone	Perinon.	6338 3		1) Birto	# 11464	
2 /2-	11698	200	T. ata	when!	11272	s/	· <del></del>	·	
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9-18-57	Dldr. Ro	oadz			MOV	8 1	436	5 selen	<u> 6 </u>
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جهانتداب وتوسسا کزر

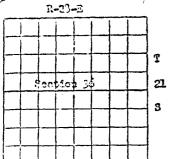
guen

let 4491-4577 2' we 450 Hem =1610 di 0+ le del cute 40 300-1280 35" Nº 1990= +480 cli Scon w/ trace oil 400-670 45" si 765 SES! D 8685 di my logs 10329 li-ph-al 9679-9718 30" Ladalisk in do nec 4700 m + 30' ali ham for 970-JAN 15 70 11477 2 val on let Isla house @ 11452 how hick @ 11464 477 Phr failed often 10" 2 10" spray 0-2 8" 11- 540 eli 04 Ben 307 So 6=40 10 260 4 Act 11351-477 2'2" A. 3" Ho 10 pile 37" 16 & @ 1725 meFfD + Junase to 1250 mer of and o But our subfailed 38" 450 6010 1/2 1/10 -620

Silfail Co. #1 Deg Cily linit 660Nd 1980 W DRILLING PROGRESS ate Depth Remarks and History 11522-651 8 5" 11. 10" @ 300 71 CFPD+ Immerce to 905 mer 110 240 144 dist com + 90 1 de VVIII com +90 1 Vas 10 290-8/3# 201-1 5000 M 12186 2008 12510 Much ·门节. 12228-490 40" · Phr failed rec 29/2'm 30 Lai 2465 10 365-325 vi lives FB: d 1 12681 plant 12962 at on det 12561-962 . 55 ( **1** 5) 13330 Sitel, 1 FED 2 S un 752 Veli 9-1 Ax 12561 - 962 3 +758 XW cm +1980. XW 45"Levi 5520 LP 535-1955 40" LL 5290" A:44 5 13521 D.+ CL 13075 \$ 13840 dalo on det 13620-840 TO 14059 dela Pip Ad 14988 14059 12620- 840 4" 500 to mituan Che kit ny 2700 'sh gent 450' xus c'm + 720 my che on you when alon 10 1175 - 2415 1 45 me NEAN 10 225-538 = . 13 280 - 990 +120' me XUI 30 %an 6/85 4 14080 Jula 14 11610 Grefay 13988-14000 265 rec 100 100 X 11 + 6870 X 2011 1150 ロニー・3/80 ニコクション インドゥ Jan 76 725 14059 HOO ME 11680 347 5 11 32h 11541-549 1/h Car 827 mas Ar The NO 24. 1. 71 J TO 14057 P.VA PE 11680 our K S 1 724 11456- 474 30 250 7000 da 51020 12" 25/26" " TO 45" 212 " 112 212 5 A Bearing

DISTRICT THE	DEAGARAG
DRILLING	PRUGRESS

Date	Depth	Remarks and History
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		recey 24471543-549, 321 1/456-474
	·	H 1000 P/W + MA 110 P/A 12'
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### NEW MERCOO OIL CONSERVATION COMMISSION Santa Fc. New Mexico

WELL RECORD State 200 St

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent rough days after completion of well. Follow instructions in Rules Repulsions of the Commission. Submit to QUINTUPLICATE.  15 Start Land which of Copiese  10 Locarea was acreed to the Commission. Submit to QUINTUPLICATE.  15 Start Land which for the Copiese of the Commission. Submit to QUINTUPLICATE.  18 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  18 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  19 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  19 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  19 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  19 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  19 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  10 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  10 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  10 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  10 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  10 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  11 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  12 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  13 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  14 Copiese (Land)  15 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  16 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  17 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  18 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  19 Start Land the Oil and Gas Lesse No. 15 Copiese (Land)  19 Start Land the Oil and Copiese (Land)  10 Start Land the Oil and Copiese (Land)  10 Start Land the Oil and Copiese (Land)  11 Start Land the Oil and Copiese (Land)  12 Start Land the Oil and Copiese (Land)  13 Start Land the Oil and Copiese (Land)  14 Copiese (Land)  15 Start Land the Oil and Copiese (Land)  16 Copiese (Land)  17 Start Land the Oil and Copiese (Land)  17 Start Land the Oil and Copiese (Land)  18 Copiese (Land)  18 Copiese (Land)  18 Copie	LOCATE WILL CONLIDERLY  Shell Oil Company of the Commission. Salemin in QUINTUPLICATE.  11 States Locate Will Confident to Copies  AND AND ASS ACRES  Shell Oil Company of Commission. Salemin in QUINTUPLICATE.  11 Shell Oil Company of Commission. Salemin in QUINTUPLICATE.  12 In HE M of HM M, of Sec. 35 T -21-S R -23-S NMPM.  Willcleat Pool, Rddy County.  14 In HE M of HM M, of Sec. 35 T -21-S R -23-S NMPM.  Willcleat Pool, Rddy County.  15 In State Land the Oil and Gas Lease No. is E-5232  Ing Commenced. September 25 19-57. Drilling was Completed.  March 17 19-55.  15 Oil State Land the Oil and Gas Lease No. is E-5232  Ing Commenced. September 25 19-57. Drilling was Completed.  March 17 19-55.  16 Of Drilling Contractor.  Perfor Drilling Contractor.  Perfor Drilling Contractor.  Perfor Drilling Company  Willclincon-Toster Duilding, Room A, Midland, Texas  Alion above as level at Top of Tubing Head.  3209 The information given is to be kept confidential until to confidential.  19 OIL SANDS OR ZONES  1, from No. 4, from to No. 5, from to No. 5, from to No. 5, from to No. 6, from Sanor Publications of No. 8, from No. 8, from Sanor Publications of No. 8, from No. 8	-}		1 1	1 1	Meil to Diet	side Office Oil i	Contemposion Co	aminion to al	ich Fo	een C.101 was	
AMERICAN ACTIONS  LOCATE WELL CONDUCTIVE  Shell Oil Company or Operators  Shell Oil Company or Operators  Shell Oil Company or Operators  No. 1 in ES W of EM W, of Sec. 35 T. =21-5 R23-5 NMPM.  Vilcast Pool, Fddy County.  1 660 feet from north line and 1980 feet from worth line and 1980 feet from line line and 1980 feet from line and 1980 feet from line and 1980 feet from line and 1980 feet feet from line and 1980 feet from line and 1980 feet feet from line and 1980 feet feet feet feet from line and 1980 feet from line and 1980 feet feet feet feet feet feet feet fee	Decare with considering   Big Eddy Unit	1 1	1-1-1	<b> </b>  -		later than tw	coty days after e	ompletion of we	U. Follow icatru	ctions is	a Rules and R	legulations
Shell Oil Company of Green Company (Company of Green Company (Company of Green Company of Green Company of Green Company (Company of Green Company of Green Com	Sholl Oll Company of persons   Company   Company of persons   Company   Co	1 1 A	REA 840 AC	RX8		ot the Comm	usion. Submit in	QUINTUPLIC	V.15" 11 91	tere Pa	ing submit b	Copies
No.   1   in   12   M of   IM   M, of Sec.   35   T -21-3   g -28-2   NMPM     U11Cot		LOCATI	E MELT CO	RUDCT		ייייייייייייייייייייייייייייייייייייי			Rin Edda	Unit.		
Vilicat   Pool, Fddy   County.	Wildcat   Pool, Fidty   County   1980   feet from   Wort   line and   1980   feet from   Worth   17   19   56   feet from   September 25   19   57   Drilling was Completed   March 17   19   58   feet from   March 17   19   58   feet from   March 17   19   58   feet from   March 17   19   feet from   March 18   feet from   Williamon-Toater Pulliding, Roun A, Midlend, Texas   Williamon-Toater Pulliding, Roun A, Midlend, Texas   feet from   March 18   feet from						<del></del>					······································
Vilicat   Pool, Fddy   County.	Wildcat   Pool, Fidty   County   1980   feet from   Wort   line and   1980   feet from   Worth   17   19   56   feet from   September 25   19   57   Drilling was Completed   March 17   19   58   feet from   March 17   19   58   feet from   March 17   19   58   feet from   March 17   19   feet from   March 18   feet from   Williamon-Toater Pulliding, Roun A, Midlend, Texas   Williamon-Toater Pulliding, Roun A, Midlend, Texas   feet from   March 18   feet from	No	1	, in	HE	% of 134	1/4, of Sec	5 T.	-21-5	, R	-28-2	, имрм.
Cotion 36 If State Land the Oil and Gas Lease No. is E-5232  ling Commenced September 25 19 57 Drilling was Completed Morch 17 19 58  to of Drilling Contractor Particle Prilling Company  Willicincon-Tooter Building, Room A, Midland, Texas  ation above sea level at Top of Tubing Head 3209 The information given is to be kept confidential until toonfidential 19  OIL SANDS OR ZONES  1, from No. 4, from No. 5, from No. 5, from No. 6, from	If State Land the Oil and Gas Lease No. is   E-5232		Wilde	at		·	Pool,	Fdd	Y			
Section. 36 If State Land the Oil and Gas Lense No. is E-5232  Sing Commenced. September 25 19 S7 Drilling was Completed. March 17 19 S8  See of Drilling Contractor Parker Drilling Company  Fest. Willicincon-Toster Buildings, Room As Midland, Texas  ation above sea level at Top of Tubing Head. 3209 The information given is to be kept confidential until ton confidential. 19  OKL SANDS OR ZONES  1, from. No. 4, from. No. 5, from. No. 5, from. No. 6, from. No	Colon 36 II State Land the Oil and Ga Lease No. is E-5232  ing Commenced September 25 19 57 Drilling was Completed March 17 19 58  of Ording Contractor Parker Drilling Company  Fillding Contractor Drilling Company  Fillding Contractor Drilling Road A, Midlard, Texas  It confidential Drilling Company  Fillding Road A, Midlard, Texas  The information given is to be kept confidential until to	is 6	60		ret from	north	line and	1980		Dh	rost	tine
September 25   19 57 Drilling was Completed.   March 17   19 58	ing Commenced September 25		36			o I and the Oil as						
Parker Drilling Contractor Parker Drilling Company  Willedneon-Toster Building, Roam A, Midlard, Texas  ation above as level at Top of Tubing Head 3209 The information given is to be kept confidential until t confidential 19  OIL SANDS OR ZONES  1, from to No. 4, from to No. 5, from to No. 5, from to No. 6, from to No.	Parker Drilling Company  Willdingon-Toster Building, Room A, Midland, Texas  ation above sea level at Top of Tubing Head. 3209  The information given is to be kept confidential until t confidential.  OIL SANDS OR ZONES  1, from to No. 4, from to No. 5, from to No. 6, from to									rch 1	7	58
Willicincon-Toster Brilding, Room A, Midlard, Texas  ation above sea level at Top of Tubing Head. 3209  t confidential 19  OLI SANDS OR ZONES  1, from to No. 4, from to No. 5, from to No. 5, from to No. 6, from No. 6	Wilkingon-Toster Building, Room A, Midland, Texas  ation above sea level at Top of Tubing Read. 3209  The information given is to be kept confidential until t confidential.  19  OIL SANDS OR ZONES  1, from.  No. 4, from.  No. 5, from.  No. 6, from.  IMPORTANT WATER SANDS  added data on rate of water inflow and elevation to which water rose in hole.  1, from.  1, f	-			T-			g was Completed				,
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2, from to No. 5, from to No. 6, from to No. 6, from to IMPORTANT WATER SANDS  ude data on rate of water inflow and elevation to which water rose in hole.  1, from to feet.  2, from to feet.  3, from to feet.  CASING RECORD  CASING	No. 5, from					OI	l sands or z	ONES				
IMPORTANT WATER SANDS  ide data on rate of water inflow and elevation to which water rose in hole.  1, from to feet.  2, from to feet.  3, from to feet.  CASING RECORD  CA	IMPORTANT WATER SANDS   IMPORTANT WATER SANDS   IMPORTANT WATER SANDS   Important water rose in hole.   I, from	1, (rom			to		No. 4	, from	****************	to		···
IMPORTANT WATER SANDS  ide data on rate of water inflow and elevation to which water rose in hole.  1, from to feet.  2, from to feet.  3, from to feet.  CASING RECORD  CA	IMPORTANT WATER SANDS   IMPORTANT WATER SANDS   IMPORTANT WATER SANDS   Important water rose in hole.   I, from	2, from			to		No. 5	, from		to	********	·····
IMPORTANT WATER SANDS  ude data on rate of water inflow and elevation to which water rose in hole.  1, from to feet  2, from to feet  3, from to feet  4, from to feet  CASING RECORD  CAS	IMPORTANT WATER SANDS   IMPORTANT WATER SANDS   Incompanies   Important Water rose in hole.   Incompanies   Inco						•					
CASING RECORD  MUDDING AND CEMENTING RECORD  AMOUNT OF MUD USED		,	,		1							
1, from	1, from				4	IMPO:	STANT WATES	SANDS				
2, from to feet  3, from to feet  4, from to feet  CASING RECORD	CASING RECORD   CASING RECORD   CASING RECORD	ude data d	on rate of v	water i	nflow and el	levation to which	water rose in hol	le.			• ,	
CASING RECORD	CASING RECORD   CASING RECOR	1, from	•••••••	•••••		to	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	······································	feet		*******	
CASING RECORD  CASING RECORD  SIZE PER FOOT NEW OR AMOUNT SIND OF CUT AND PERFORATIONS PURPOSE  CO. 4 FOM 2551 COURTED FROM PERFORATIONS PURPOSE  CO. 4 FOM 2551 COURTED FROM PERFORATIONS PURPOSE  CO. 4 FOM 2551 COURTED FROM PERFORATIONS PURPOSE  COURTED STRING  STR. 67 TOTAL 11.5791 LOTKIN 10.6721 Intermediate  MUDDING AND CEMENTING RECORD  MUDDING AND CEMENTING RECORD  MUDDING OF CASING SET OF CASING METHOD GRAVITY AMOUNT OF MUD USED	CASING RECORD     CASING RECORD   CASING RECOR	2, from	•			to	***************		feet	***********	**************	*******
CASING RECORD    CASING RECORD   CTT AND   PERFORATIONS   PURPOSE	CASING RECORD	3, from	• • • • • • • • • • • • • • • • • • • •		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	to			feet	····		······
		4, from				to			feet	.,	**********************	
### CL4   PER FOOT   USED   AMOUNT   SHOE   PULLED FROM   PERFORATIONS   PURPOSE									٠			•
3/8"   51/3 & 63"   ESB   2.813"   Intermediate	3/8"   51/3 & 63"   Figs   2.8/3"   Intermediate		<del></del>		<del></del>		CASING RECO		· }	· · · · · ·	<del>,</del>	·
5/30   17% 10% 18.57   new   0.6704   5.8364   Intermediate   1/24   17% 2 20%   new   11.6794   Intrin   10.6724   Oll string	1/2"   17" & 20"   ECU   11.079"   Lorkin   10.672"   Oil string	SIZE			NEW OZED		KIND OF	CUT AND	PERFORATI	ons.	PURPO	se
1/2" 17/ 2 200 red 11.079 Larkin 10.072" Oil string  MUDDING AND CEMENTING RECORD  ZE OF SIZE OF WHERE NO. SACKS METHOD MOD AMOUNT OF MUD USED	1/2"   17/6 20/4   PCJ   11.079"   Larkin   10.072"   Oil string	SIZE	PER P	007	Caed	L	KIND OF SHOE	CUT AND	PERFORATI	ONS.	<b></b>	
MUDDING AND CEMENTING RECORD  IZE OF SIZE OF WHERE NO. SACKS METHOD MOD AMOUNT OF MOLE CASING SET OF CAMENT HAZD GRAVITY MUD USED	MUDDING AND CEMENTING RECORD	<u>4</u> 3/∂a_	923 F	00 <b>∓</b> 1,4 6?.″	TOTAL TOTAL	AMOUNT 2571 2,8/131	SIND OF SHOE	CET AND PULLED FROM	PERFORATI	ONS	Surface Intermed	String
IZE OF SIZE OF WHENE NO. SACKS METIOD MOD AMOUNT OF GRAVITY MUD USED		a 3/8a 5/3a	51.3 & 1:72.1:	63.7 07.1	POW POW B.52 DE	2521 2,81,31	KIND OF SHOE	CUT AND PULLED FROM	PERFORATI	ons	Surface Intermed	String Ligts Liste
HOLE CASING SET OF CEMENT USED GRAVITY MUD USED		a 3/8a_ 5/3a	51.3 & 1:72.1:	63.7 07.1	POW POW B.52 DE	2521 2,81,31	KIND OF SHOE	CUT AND PULLED FROM	PEUPORATI	ons	Surface Intermed	String Ligts Liste
	1/24 13 3/88 2,8701 1015 Pump & Flug Comented to surface 7 1/18 9 5/34 (8,6931) 500 Flum & Flug Comented to surface 7 1/18 5 1/24 11,6981 250 Fump & Flug Comented to surface 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3/8 <u>n</u> -3/8n	51.3 & 1:72.1:	63.7 07.1	POW POW B.52 DE	AMOUNT 251 2,013 21,079 11,079	RIND OF SHOE	CCT AND PULLED PROM	PERFORATI	ONS	Surface Intermed	String Ligts Liste
1/2" 13 3/3" 2.0701 1015 Pump & Flug   Conented to surface 7 1/2" 2 5/3" (6.693") 500 Pump & Flug   Conented to surface 7 1/2" 11.693" 250 Fump & Flug   Conented to surface 7 1/2" 11.693" 250 Fump & Flug	1/6" 9 5/3" (8,693) 500 Furn & Flug   Comented to surface 7 1/6" 5 1/2" 11,696 250 Furn & Flug   Comented to surface 7 1/6" 5 1/2" 11,696 250 Furn & Flug   Comented to surface 7 1/6" (1)	3/80 5/30 1/20 1/20	PER P	1.4 63.4 04.4 20.4	nou	AMOUNT  251  2,013  2,013  11,079  MUDDING  NG. BACKS	LOTKIN AND CEMENT	CCT AND PULLED FROM  5,836*  10,672*  TNG RECORD	мор	ONS	Surface Intermed Intermed Oil stri	String Lists Lists Lists Lists
7/69 5 1/2" 11.696" 250 Form 8 7212	7/80 5 1/20 11,6981 250 From 6 Thug	3/04 5/34 1/24 1/24	PER P	1.4 63.5 20.5	TON	AMOUNT  251.1  2,01.3  MI 0,670  11,079  MUDDING  NG, BACKS OF CLMENT  325	Lorkin  AND CEMENT  METROD  LAZD  Plead & Plead	CCT AND PULLED FROM  5.836* 10.672* TNG RECORD	MOD GRAVITY ted to sur	face	Surface Intermed Intermed Oil stri	String Liets Liete Ing
	43.27	3/04 5/34 1/24 1/24	17.7 & 1.7.7 &	1.4 63.5 20.7 20.7	PSED POST POST POST POST POST POST POST POST	AMOUNT  251.1 2,01.3 21.079  MUDDING  NG. BACKS OF CLUENT  325 101.5	Linkin  AND CEMENT  METROD & FIT  Pump & FIT	TO PULLED PROM  5,8361  10,6721  TNG RECORD  12, Canor  13, Canor  14, Canor  14, Canor  15, Canor  15, Canor  16, Canor  17, Canor  18, Conor	GRAVITY sted to sur	l'ace	Surface Intermed Intermed Oil stri	String Liets Liete Ing
4639 · RECORD OF PRODUCTION AND STITULATION		3/80 5/30 1/20 2/20 Exercised	SIZE OF CASING	60.00 60.00 20.00 20.00	152D 153 153 PE 163 163 163 163 163 163 163 163 163 163	AMOUNT  251.1  2,01.3  MI 0,670  11.079  MUDDING  NG, BACKS  6F CLUZNT  325  101.5  500  250	Lorkin  AND CEMENT  METROD  DAED  Pund & Fit  Pund & Fit  Pund & Fit  Pund & Fit	S2836* 10,6721  TING RECORD  12 Canar  13 Canar  14 Canar  14 Canar	ceavity sted to surted to surted to surted to sur	l'ace	Surface Intermed Intermed Oil stri	String Liets Liete Ing
(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)	(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)	3/80 5/30 1/20 2/20 Exercised	SIZE OF CASING	20 / 11	1000 1000 1000 1000 1000 1000 1000 100	AMOUNT  251. 2,013. 21.079.  MUDDING  NG. BACKS OF CLMENT  325  101.5 500 250  RECORD OF 1	Internation of the Pump & F1: Fump & F1: Fum	TO COTT AND PULLED PROM  5.8361 10.6721 TING RECORD  12. Conor of	property sted to surted to surted to surted to sur	face face ace	Surface Intermed Intermed Oil stri	String Liets Liete Ing
£0,		3/01 5/31 1/23 1/23 1/24 1/24 1/24 1/23 1/23	SIZE OF CASING 2011 13 3/201 2 5 1/201	633 633 04.14 207	1000 1000 1000 1000 1000 1000 1000 100	AMOUNT  251. 2,013. 21.079.  MUDDING  NG. BACKS OF CLMENT  325  101.5 500 250  RECORD OF 1	Internation of the Pump & F1: Fump & F1: Fum	TO COTT AND PULLED PROM  5.8361 10.6721 TING RECORD  12. Conor of	property sted to surted to surted to surted to sur	face face ace	Surface Intermed Intermed Oil stri	String Liets Liete Ing
(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)		3/80 5/30 1/20 1/20 1/20 1/20 1/20 1/20 1/20	SIZE OF CASING 2011 13 3/201 2 5 1/201	633 633 04.14 207	1000 1000 1000 1000 1000 1000 1000 100	AMOUNT  251. 2,013. 21.079.  MUDDING  NG. BACKS OF CLMENT  325  101.5 500 250  RECORD OF 1	Internation of the Pump & F1: Fump & F1: Fum	TO COTT AND PULLED PROM  5.8361 10.6721 TING RECORD  12. Conor of	property sted to surted to surted to surted to sur	face face ace	Surface Intermed Intermed Oil stri	String Liets Liete Ing
(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)		3/80 5/30 1/20 1/20 1/20 1/20 1/20 1/20 1/20	SIZE OF CASING 2011 13 3/201 2 5 1/201	633 633 04.14 207	1000 1000 1000 1000 1000 1000 1000 100	AMOUNT  251. 2,013. 21.079.  MUDDING  NG. BACKS OF CLMENT  325  101.5 500 250  RECORD OF 1	Internation of the Pump & F1: Fump & F1: Fum	TO COTT AND PULLED PROM  5.8361 10.6721 TING RECORD  12. Conor of	property sted to surted to surted to surted to sur	face face ace	Surface Intermed Intermed Oil stri	String Liets Liete Ing
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(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)	See Attackment	3/80 5/30 1/20 1/20 1/20 1/20 1/20 1/20 1/20	SIZE OF CASING 2011 13 3/201 2 5 1/201	20 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 /	1000 1000 1000 1000 1000 1000 1000 100	AMOUNT  251.1 2,01.3 21.079  MUDDING  NG. BACKS OF CLUENT  325 101.5 500 250  RECORD OF 1	Internation of Carlot Garage Control of Carlot Garage Carl	TO PULLED FROM    SaB36*   10,672*     TIME RECORD	prop gravity ited to sur ited to sur ited to sur ited to sur	Tace Tace	Surface Intermed Intermed Oil stri	String Liets Liete Ing
(Record the Process used, No. of Qu. or Gals. used, interval treated or shot.)  Son Abtackment	Ses Attackment	13/80 5/30 5/30 1/23 1/23 1/24 1/24 1/25	Size of Cashing 23" 23 3/3" 5 3/2" Co. Act	20 (1) 11 (1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	1000 1000 1000 1000 1000 1000 1000 100	AMOUNT  251.1  2,01.3  MI 0,6704  11.0794  MUDDING  NO, BACKS OF CLUENT  325  101.5  500  250  RECORD OF: Process used, No.	Inrkin  AND CEMENT  METROD & FIL  Pump & FIL  Form & FIL  Form & FIL  Form & Gal  Construction  a. of Qu. or Ga	TO COME COME COME COME COME COME COME COM	MOD GRAVITY sted to surted	Tace Tace	Surface Intermed Intermed Oil stri	String Liets Liete Ing
(Record the Process used, No. of Qu. or Gala. used, interval treated or shot.)  Sea Attackment  alt of Preduction Stimulation.	Sea Astachment	3/30 5/30 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20	Size of Cashing 23" 23 3/3" 5 3/2" Co. Act	20 (1) 11 (1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	1000 1000 1000 1000 1000 1000 1000 100	MUDDING  NO. SACKS OF CLUENT  325  1015  EECOED OF  Process used, No.	Interior  Lorkin  AND CEMENT  METHOD & FIL  Purp & FIL  Purp & FIL  Prop & FIL  PRODUCTION .  of Qu. or Ga	TO CET AND PULLED FROM    5,836*   10,672*	chrop gravity thed to sur thed to sur the to sur TION	Tace Tace	Surface Intermed Intermed Oil stri	String Liets Liete Ing
(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)  See Attachment	See Attachment  It of Production Stimulation	3/3n 5/3n 1/2" 1/2" 1/2" 1/4" 1/5" 7/3"	Size of Cashing 23" 23 3/3" 5 3/2" Co. Act	20 (1) 11 (1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	1000 1000 1000 1000 1000 1000 1000 100	MUDDING  NO. SACKS OF CLUENT  325  1015  EECOED OF  Process used, No.	Intrin  AND CEMENT  METROD & FILTER  Pump & FILTER  Fump & FILTER  Pump & FILTER	TO PULLED FROM    52836*   102672*     TNG RECORD   CONOR   CONOR     CONOR   CONOR	prop gravity ited to sur ited to sur ited to sur ited to sur	Cace Tace Tace	Surface Interned Interned Oil stri	String lights lights and lights light

#### LOOPD OF CENTRATES AND SPECIAL TEX.

If drill-stem or other special tests or deviation turveys were made, submit report on separate sheet and attach hereto

### TOOLS USED

									feet to	
Cable tool	s were use	d from					3 1rom		feet to	leet.
					CODUCT	ION				
TELEGRA	m <b>arg</b>	P-A	_September 1	19	_58					
OIL WE	LL: The	production	n during the first 2	hours was			barre	ls of liqu	id of which	% was
	was	oil;	% w	as emulsion;		· ·	% water;	and		sediment, A.P.I.
	Gran	ritv	************************							
040 1 22							ICE when			bassals of
GAS WEI			· ••				i.c.r. pia	····	<u> </u>	
		-	urbon. Shut in Press							· ·
Length of	f Time Sh	ut in								
PLE	ASE IND	CATE B	ELOW FORMATI	ON TOPS (IN	CONFO	BMANC	E WITH	GEOGR.	APPLICAL SECTION	OF STATE):
	•		Southeastern No			-			Northwestern Ne	w Mexico
									Ojo Alamo	
				T. Silurian					Kirtland-Fruitland Farmington	
				T. Simpson					Pictured Cliffs	
				T. McKee					Menefee	
				T. Ellenburge			3		Point Lookout	
,	•			T. Gr. Wash,					Mancos	
							49366		Dakota	
			*****	T. Bona Spr T. Wolfcann				•	Morrison	
				TAtoka 11	372	(-325	3 <b>')</b>			
T. Abo				T. Miss. III	ack Sh			т.		
		1' (-&	0121)	T	<del></del>		-10,42	51) T.		***************************************
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From	То	Thickness in Feet	For	mation	· ·	From	To	Thickness in Feet	Forma	tion '
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			ATTACH SEI	PARATE SHE	ET IF AI	OITIC	NAL SPA	CE IS N	EEDED	
* :	anah								f the well and all wor	ek dane on it to far
			n mar me mrormat vailable records.	.ou given nerew	111 13 A CC	ominere	and WHEE			
							••••••••	Sopta	mber 26, 1953	· Flatal
Compan	y or Oper:	10r. Sho	17 017 Compa	Mr		Address.	£o	z.015.	Postell, New	L'exico
	-		22. Orlging S Res C. (	inad Harris					t Exploitation	

Shell Oil Company Eig Eddy Unit # 1 Sec. 36-215-28E Eddy County, New Moxico

- Perforated 11,5hl' 11,5h9' w/4 jet shots per foot.
- Suabbed 1 ELO.
- 3∙
- Porforated 11,456' 11,474' w/4 jot shots per foot.
  In 12 hours swabbed 11 BF, cut 99% water & 1% Condengate.
- Loaded hole w/oil & reperforated 11,541' 11,549' & 11,456' 11,474' 5. w/4 jet shots per foot.
- Treated perforations w/1000 gallons 7 1/2% MCA. In 10 hours swabbed 17 BF, cut 95% water. 6.
- Loaded tubing w/oil & treated casing perforations via 2 1/2" tubing w/20,000 gallons gelled lease crude containing 1% sand & 0.1% Adomite/gallon in 3 stages using 60 ball scalers. Flushed w/90 BO.
- In 12 hours snabbed 32 BF, cut 60% water 7 30% BS.
  Treated formation via tubing w/60,000 gallons 3% Intensified acid using 10. 60 RCN balls. Flushed w/70 E4.
- In 3 hours swabbed 8 BF cut 69% water & 31% heavy emulsion. 11.
- Ran 2 7/8" tubing open-ended to 11,646'. 12.
- 13.
- Spotted 50 ex. Infermo filo-set cement 11,200' 11,650'.
  Cut & pulled 5 1/2" casing from 10,672' & 9 5/8" casing from 5836'. 14.
- 15. Spotted cament plugs - 100 sx. regular neat 2625 - 2565 18' - surface 10 ax. regular nest
- 16. Cut off 13 3/8" Flange-welded flat steel plate on top 13 3/8".
- 17. 13. Erected standard h" x h' marker w/well location welded on came.
- Well completed P&A.

- DST § 1: 3734 3266 (72 Delaware Mountain Sand). Tool open 51 minutes thru 5/8" BC & 1" TC on 5 9/16" DS. Immediate very weak blow increasing slightly to weak at end of test, hOTS. Recovered 10 (0.09 bbl.) free oil (3r. 40.1 deg.) f 100 (0.9 bbl.) slightly oil (5%) & gas cut mud f 200 (1.8 bbl.) very slightly oil & gas cut mud. 22 minutes ISIBHP failed. 24 minutes FSIBHP failed. FBHP 80 160 psi. HMH 1713 psi. Pit & recovery mud titrated 3150 ppmCl<sup>-</sup>. Conclusive Tast. (Halliburton)
- DST # 2: 4401' 4577' (176' Delaware Mountain Sand). Tool open 2 hours thru 1/4" TO & 5/8" EC on 5 9/16" DS. Opened w/weak blow, remaining same throughout test. NOTS. Recovered 360' (8.2 bbls.) heavily gas & very slightly oil cut mud, 90' (2.0 bbls.) water, oil & gas cut mud (est. 5% oil), 180' (4.1 bbls.) slightly oil & gas cut water (trace oil), 1500' (34.0 bbls.) very slightly oil & gas cut sulfur water. IFP 300 psi. FFF 1280 psi. FSIP 1990 psi. HMH 2180 2160 psi. ISIBIP failed. Maximum BST 116 deg. F. Recovery water titrated 100,000 ppmCl<sup>-</sup>. pit mud titrated 4200 ppmCl<sup>-</sup>. Conclusive Test. (Cook)
- DET # 3: 6212' 6345' (133' Delaware Nountain Sandetone). Tool open 2 hours 5 minutes thru 1/4" TC & 5/6" BC on 5 9/16" DS. opened w/very weak blow of air gradually increasing to weak at end of test. EGTS. Recovered 1080' drilling mud & 480' very slightly gas cut mud w/very slight trace of oil. No sign of water. 45 minutes ISIP 265 psi. FP 400 670 psi. 45 minutes FSIP 765 psi. Pit mud titrated 7000 ppmCl. Recovery mud titrated 7200 ppmCl. Conclusive Test.
- DST # 4: 9679' 9718' (39' Bone Spring 7). Tool open 30 minutes thru 5/8" BC & 1" TC on 4" DS. Opened w/no blow except as caused by lank in D'. DP began leaking slightly while taking ISISHP. then increased while taking FSIEHP. Recovered 4700' (5 bbls.) drilling mud w/no show # 30' (0.3 bbl.) drilling mud w/very slight trace gas. 30 minutes ISIDHP 305 psi. FBEP 970 1360 psi. 30 minutes FSIEHP 1415 psi. HHH 4565 4580 psi. Conclusive Test. (Johnston)
- DST 7 5: 11.361' 11.477' (115' Pennsylvanian limestone & sandstone).
  Tool open 2 hours 2 minutes thru 1" & 1/4" TC. 5/8" hC on h"
  DS. Opened w/strong blow of air. GTS in Bainutes. Flowed gas w/slight mist of oil to pits for 37 minutes & turned to separator. Gas flowed through separator at initial rate of 1.725 PMOFPD which decreased to 1.250 MMCFPD in 27 minutes.
  After 1 hour & 24 minutes of flowing test circulating sub failed filling drill string w/mmd. Mud below circulating sub was gas cut w/trace of oil. 38 minutes ISIBHP 6080 psi (fully built up). FBHP 700 620 psi. EMH 6700 psi. Pit mud titrated 2100 ppmCl. Hud below circulating sub 2400 ppmCl. Exximum BHT 163 deg. F. Test considered partially Conclusive. (Cook)
- DST \$6:

  11,522' 11,651' (129' Pennsylvanian Atora sand, shale & lime). Tool open 3 hours 5 minutes thru 1" & 1/2" TO. 5/8" BC on 4" DS. Opened w/strong blow of air. GTS 10 minutes. Flowed at initial rate of approximately 300 MCFPD. Flowed to pits 45 minutes then turned to separator. Rate increased from initial 300 MCFPD to a peak of 905 MCFFD in 1 hour 52 minutes. Then in next 20 minutes decreased to suproximately 800 MCFPD & remained at 800 MCFPD for remainder of test (43 minutes). Recovered 250' (1.6 bbls.) gas & slightly condensate cut mud (est. 35 condensate), 90' (0.54 bbl.) gas & salt water cut mud w/trace condensate f 90' (0.54 bbl.) gas & salt water. Pit mud titrated 2350 ppmcl. Solt water titrated 25.500 Cl. 5 minutes ISINF 6450 psi (not completely built up). FMP 200 815 psi. 30 minutes FSINF 5900 psi (completely built up). RM 7125 7175 psi. W minute BT 170 deg. F. Fostive Test. (Johnston)

- DST F 7: 12.228' 12.490' (262' Pennsylvanian (Atoka) Sand, Shale & Limestone). Tool open 40 minutes thru 5/8" BC. 1" TO on 4" DS. Tool opened w/immediate good air blow decreasing to weak in 20 minutes. MSTS. Fackers failed after tool open 40 minutes. Recovered 2912' (27 bbls.) drilling mud, no show. No indication of formation water. 30 minutes ISIBHP 2465 psi (not completely built up). FBHP 365 325 psi. FSIBHP not taken due to packer failure. EEH 7470 7570 psi. Pit mud titrated 2300 ppmClT. Recovery mud titrated 1940 ppmClT. Maximum BHT 163 deg. F. Conclusive Test. (Johnston)
- DST \* 8: 12.561\* 12.962\* (401\* Atoka, Pennsylvanian sand & shale).

  Tool open 3 hours thru 5/8" BC, 1" & 1/4" TC (open atermately) on 4" DS. Opened w/wesk blow increasing to good in 5 minutes (good thru 1/4" choka & weak thru 1" choke) & remained constant throughout test. NGTS. (Recovered 752\* (7.6 bbls.) very slightly gas cut mud, 758\* (7.6 bbls.) slightly water cut mud & 1980\* (20 bbls.) salty water titrating 17,900 ppmCl. Pit mud titrated 2300 ppmCl. 45 minutes ISIBHP 5520 psi (built up).

  FEMP 535 1935 psi. 40 minutes FSIBMP 5290 psi (Built up).

  RM 7980 7935 psi. Maximum BHT 185 deg. F. Positive Test.

  (Johnston)
- DET # 9: 13.620' 13.840' (25' Mississippian, 155t Wolfcamp, 40'
  Devonian). Pressured 3000' DS to 500 psi w/Nitrogen. Tool
  open 4 hours. Tool opened thru 5/8" BC, 1" TC, 4" DS w/strong
  air blow decreasing steadily to weak at end of 4 hours. NGTS.
  Recovered 2700' (30 bbls.) very slightly gas cut mud, 450'
  (5 bbls.) slightly water cut mud & 720' (7 bbls.) mud cut &
  slightly gas cut water w/slight sulfur odor. Recovery water
  titrated 10,000 ppm MaCl. pits 3200 ppm MaCl. 60 minutes
  ISIEM failted. FMM 1775 2415 psi. 45 minutes FSIEMP
  4590 psi (fairly well built up). HMH 8080 8020 psi.
  Conclusive Test. (Johnston) BHT 193 deg. 207 deg. F.
- DST # 10: 13,880' 13,990' (110' Siluro Devonian Dolomite). Tool open 4 hours thru 1" TC, 5/8" BC on 4" DS. Opened w/week air blow lasting throughout test. ECTS. Recovered 630' (3.8 bbls.) water cut mid. (Recovery mid titrated 10,000 ppmCl-, pit mid titrated 3500 ppmCl-.) # 180' (1 bbl.) mid cut water. (Water titrated 15,000 ppmCl-). FBMP 225 525 psi. 30 minutes SIEMP 6155 psi. HIM 8520 8540 psi. BMT 232 deg. F. Positive Test. (Johnston)
- DET # 11: 13,988' 14,059' (71' Devonien). Tool open 3 1/2 bours thru 5/8" BC, 1" TC on 4" DS. Opened w/immediate weak blow increasing to fair in 30 minutes. NOTS. Recovered 180' (1.7 bbls.) mud cut salt water # 6440' (63 bbls.) salt water # 430' (4.5 bbls.) salt water w/slight sulfur odor. Recovery water titrated 15,000 30,000 NaCl. Pit mud titrated 3500 ppm NaCl. FBHP 225 3180 psi. 50 minutes FSIBMP 62)5 psi. HTH 8480 psi. BHT 218 deg. F. Positive Test. (Johnston)

# NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

### MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or egent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below Notice of Intention Notice of Intention to NOTICE OF INTENTION x to CH over Plans TEMPORARILY ABANDON WELL TO DRILL DEEPER Notice of Intention Notice of Intention Notice of Intention TO PI CO WELL TO PLUG BACK TO SET LINER Notice of Intention Number of Intention NOTICE OF INTENTION TO ACIDIZE то Ѕпоот (Nitro) to Squeeze Nepice of Intention Notice of Intention Notice of Intention TO CUL PERFORATE (OTHER) OIL CONSERVATION COMMISSION Roswell, New Mexico August 20, 1958 SANTA FE, NEW MEXICO (Place) Gentlemen: Following is a Notice of Intention to do certain work as described below at the..... Big Eddy Unit Well No. 1 . Shell Oil Company Big Eddy Area Wildcat E 1/4 NW 1/4 of Sec..... Eddy FULL DETAILS OF PROPOSED PLAN OF WORK (FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS) 1. Load hole with 10%/gal mud. PBTD 11,674'. Spot 500 foot slo-set cement plug (50 sacks) in 52" casing between 11,600' and 11,100'. Perforations at 11,474'-11,549'. 3. Cut and pull 5%" casing at approximately 10,700". Cut and pull 9-5/8" casing at approximately 7000'. Spot 140 foot regular neat cement plug (100 sacks) in 13-3/8" casing at casing shoe (26701). Spot 10 sacks regular neat cement plug at surface. AUS タモ 1058 Shell Oil Company Company or Operator Except as follows: ny R. L. Elkins Position Division Mechanical Engineer Approved Send Communications regarding well to: OIL CONSERVATION COMMISSION

Name Shell Oil Company

Address Rosnell, Men Mexico

Box E45

er den ods ingr

# NEW MEXICO OIL CONSERVATION COMMISSION MISCELLANEOUS REPORTS ON WELLS

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

	A CONTRACTOR OF THE CONTRACTOR
COMPANY Chell Oil Connent Fox	RAS Roswell, New Mexico
una.)	
LEASE Big Eddy Unit WELL NO.	
DATE WORK PERFORMED April 4, 1958	POOL Big Eddy Area 1,1,11-at
This is a Report of: (Check appropriate t	plock) Results of Test of Casing Shut-of
Beginning Drilling Operations	Remedial Work
Plugging	x Other Perforations
Detailed account of work done, nature and	d quantity of materials used and results obtained
Reperforated 5-1/2" casing 11,541'-11,54 depths) with 4 jet shots per foot.	9', and 11,456'-11,474' (original PGAC
•	
	•
FILL IN BELOW FOR REMEDIAL WORK	REPORTS ONLY
Original Well Data:	
DF Elev. TD PBD	Prod. Int. Compl Date
Thng. Dia Thng Depth C	Oil String Dia Oil String Depth
Perf Interval (s)	
Open Hole Interval Produc	ing Formation (s)
RESULTS OF WORKOVER:	BEFORE AFTER
Date of Test	
Oil Production, bbls. per day	
Gas Production, Mcf per day	
Water Production, bbls. per day	-
Gas-Oil Ratio, cu. ft. per bbl.	
Gas Well Potential, Mcf per day	**************************************
Witnessed by	
	(Company)
OIL CONSERVATION COMMISSION	I hereby certify that the information given above is true and complete to the best of
Name IIII Oberestionia	my knowledge.  ORIGINAL SIGNED BY  Name  P. I. Fliches  R. L. ELKINS
Title 3/1 2/10 0/10 10 10 10 10 10 10 10 10 10 10 10 10 1	Position Division Mechanical Engineer
Date APR 9 1958 Y	Company
	Company Shell Cil Company

Form C-103 (Revised 3-55)

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

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

COMPANY shall cit Coupany Box 64 (Add	ress) Postroll, Yew Mexico.
LEASE Pig Fidy Imit WELL NO.	1 UNIT C S 35 T 21 S R 28 E
DATE WORK PERFORMED April 2, 1959	POOL PI- Tidy Area 1/11/1/1
This is a Report of: (Check appropriate b	lock) Results of Test of Casing Shut-off
Beginning Drilling Operations	Remedial Work
Plugging	Other Perforations
Detailed account of work done, nature and	quantity of materials used and results obtained.
Perforated 5-1/2" casing 11,456*-11 shots per foot using PGAC tubing gu	474 (original PGAC depths) with 4 jet
•	
	•
	•
FILL IN BELOW FOR REMEDIAL WORK	REPORTS ONLY
Original Well Data:	
	Prod. Int. Compl Date
	il String Dia Oil String Depth
Perf Interval (s)	ing Formation (a)
Open Hole Interval Produc	ing Formation (s)
RESULTS OF WORKOVER:	BEFORE AFTER
Date of Test	
Oil Production, bbls. per day	
Gas Production, Mcf per day	
Water Production, bbls. per day	
Gas-Oil Ratio, cu. ft. per bbl.	-
Gas Well Potential, Mcf per day	
Witnessed by	
	(Company)
OIL CONSERVATION COMMISSION	I hereby certify that the information given above is true and complete to the best of
Name MIT Constitue	my knowledge. ORIGINAL CONTO BY Name R. I. ELKINS
Title MARKOCK INTO COM	Position Position
Date APR 4 1953 V	Company Division Neohanical Engineer
<del></del>	' Shall Cil Company

Form C-103 (Revised 3-55)

### NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

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

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21	[2,	,				1.1	ļ
11	10/1						

(Cartina de appropriate a reconstruction de la construction de la cons	F		APR 9 1989
COMPANY Shell Oil Company Pox	P45 Roske	11. New Mexico	
bbA)	ress)		
LEASE Big Eddy Unit WELL NO.	1 UNIT C1	S 35 T	21 S R 28 E
DATE WORK PERFORMED March 31, 19			
maren 51, 19		BIZ Edily Area	
This is a Report of: (Check appropriate l	olock) R	esults of Test	of Casing Shut-off
Beginning Drilling Operations	R	lemedial Work	
Plugging	Tx Ic	ther Perforati	ons
		<u> </u>	
Detailed account of work done, nature and	d quantity of m	aterials used ar	nd results obtained
Perforated casing 11,541'-11,549' (PGA	C dopths) with	4 jet shots per	foot.
,			
•		in the second	
•		•	
	•		
FILL IN BELOW FOR REMEDIAL WORK	REPORTS ON	LY	` <u>.</u>
Original Well Data:	mand to A	<b>C</b>	1 D-4-
DF Elev. TD PBD Tbng, Dia Tbng Depth C			
Perf Interval (s)	Trug Dia _	- On stre	ng Deptu
	ing Formation	(s)	
Open Hote Interval	ing r ormation	(3)	
RESULTS OF WORKOVER:	· · · · · · · · · · · · · · · · · · ·	BEFORE	AFTER
Date of Test	<u>.</u>		
Oil Production, bbls. per day			
Gas Production, Mcf per day			
Water Production, bbls. per day			
Gas Oil Ratio, cu. ft. per bbl.			
Gas Well Potential, Mcf per day			
Witnessed by		(Com	nany)
OIL CONCERNATION CONCERNS	I hereby cert	tify that the info	
OIL CONSERVATION COMMISSION	above is true	and complete	to the best of
Name MIL Ornestrous	my knowledg Name		NGINAL CICNED BY R. L. ELKINS
Title of Appendictions	Position	R. L. Flking Division Mechan	<del></del>
Date AFE S 1558	Company	DIATOTAL LACUSA	TOUT THUTUGEL

# NEW MEXICO OIL CONSERVATION COMMISSION MISCELLANEOUS REPORTS ON WELLS

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

MW31 1059

JOMPANY_	Shell Oil Co	peny	Box 845		oswell	, New	Next o	<u> </u>			
		(	Address	5)							
LEASE D	ig Eddy Unit	WELL N	o. 1	UNIT	c s	36	T	21 S	R	28	E
DATE WOR	K PERFORMED	3-23 thru	25-58	POOL	Big	Eidy	Area	11/1	( - ; - )	,	
This is a Re	eport of: (Chac	k appropria	te block	c)   x	Resi	ılts o	Test	of Ca	sing	Shu	t-of
Ве	ginning Drilling	Operation	s		Rem	edial	Work				
Pl	ugging				Othe	r					
Detailed acc	count of work do	one, nature	and qua	intity of	mater	rials	used a	nd re	sults	obt	aine
down t	1,679' of 5-1/2" with 1500 psi @ d casing with 15	11:58 p.m.	(EST), H	d © 11,6 arch 23,	98' wi 1958.	th 250 Afti	O sack er WOC	s. Pl 36 ho	ura,		
						Marie					
		•									
					•						
				•							
FILL IN BE	LOW FOR REM	EDIAL WO	ORK REI	PORTS	ONLY			<del></del>			
Original We	ell Data: .	-		-						٠.	
DF Elev.	TD	PBD	P	rod. In	t		Com	pl Da	te		
Thng. Dia	Tong Dep	th	Oil St	ring Dia	a	C	il Str	ing D	epth		
Perf Interv	al (s)								-		
Open Hole I	Interval	Pro	ducing l	Formati	on (s)						·
RESULTS C	OF WORKOVER	<del></del>				SEFO:	RE	A	FTE	R	
Date of Tes	it										
Oil Product	tion, bbls. per	day						_			
Gas Produc	tion, Mcf per d	ay			_			_			•
	luction, bbls. p	-			-						• .
	tio, cu. ft. per	-									•
	otential, Mcf po				-			_			•
Witnessed !	•	,			-			_			•
imicaacu i	~ ,	<del></del>		·			(Con	ıpany)			
OIL CO	ONSERVATION	COMMISSIO		ereby c							n
5.2.00		-/-	ao	ove is to y knowle		d con		origin.	L SIGN	!ED n	Y
Name	L (Brown	roses		me	_	. Elk		R. L	. ELKIN	15	
	PU GAR INSPERTE	7	Po	sition	Divi	sion	Mecher	ical	ngin	cer	
Date A	1 K 3 1 K56	V	Co	mpany	Shel	1 Oil	Compa	מת			

# NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

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#### MISCELLANEOUS NOTICES

MAP 24 1458

as notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below Notice of Intention to NOTICE OF INTENTION OF INTENTION TO DEELE DEEPER TEMPORARILY ABANDON WELL NOT PLANS Notice of Intention NOTICE OF INTENTION OF INTENTION X TO PLUG BACK TO SET LINER c Weil. Notice of Intention Notice of Intention TO ACIDIZE то Ѕноот (Nitro) Notice of Intention THE INTENTION Notice of Intention (OTHER) (OTHER) GISERVATION COMMISSION A FE, NEW MEXICO men: ollowing is a Notice of Intention to do certain work as described below at the Big Eddy Unit Shell Oil Company (Company or Operator) 1/4 of Sec. 36 , T. 21 s , R. 28 E NMPM, Big Eddy Area Wildcat Pcol (40-acre Subdivision) Eddy FULL DETAILS OF PROPOSED PLAN OF WORK (FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS) Spot 140 sacks slo-set nest coment plug at T.D. 14,C49'. Approximate fill - 100' above Davonian. Spot 45 sacks slo-set neat cement. Approximately 100' of fill to 11,800'. This program discussed with Mr. Armstrong. Shell Oil Company Wer R. L. Elkins Wol Queureaux Position Division Mechanical Engineer Send a manufact one regarding well to: INSERVATION COMMISSION Name Shell Cil Company Box 185

Address Roswell Wew Mard co

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

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

COMPANY thell Cil Company Fox (Add:	C45 Post ress)	ell, Mess Mexico	
LEASE Big Fidy Unit WELL NO.	1 UNIT c	S 26 T 2	ons Roar
DATE WORK PERFORMED 12-12 thru 12-	<del></del>		
This is a Report of: (Check appropriate b	lock) I wife	Pecults of Test of	of Casing Shut-off
- in a resport of, (oneck appropriate o	zock, X	tesuits of Test o	outing only on
Beginning Drilling Operations		Remedial Work	
Plugging		Other	
Detailed account of work done, nature and	quantity of m	aterials used an	d results obtained
Ran 8670° of 9-5/8° casing and cement 6 (RBT) 12-12-57. Did not bump plug. Aft for 30 minutes. Test 0.K. Drilled out	er 1100 48 hour	s, tosted cacing	with 2000 psi
•		•	
	_		
•			
FILL IN BELOW FOR REMEDIAL WORK	REPORTS ON	LY	
Original Well Data:		<del>- 1 - 1</del>	`.
DF Elev. TD PBD_			
Tbng. Dia Tbng Depth O	il String Dia	Oil Strir	ng Depth
Perf Interval (s)			
Open Hole Interval Produci	ing Formation	(s)	
RESULTS OF WORKOVER:	<del></del>	BEFORE	AFTER
Date of Test			
Oil Production, bbls. per day			
Gas Production, Mcf per day			<del></del>
Water Production, bbls. per day		<del></del>	
Gas-Oil Ratio, cu. ft. per bbl.		<del></del>	
Gas Well Potential, Mcf per day		,	<del></del>
Witnessed by		-	·
Witheaster of		(Comp	any)
OIL CONSERVATION COMMISSION		tify that the info	rmation given
1		e and complete t	
Name to A Sugarth	my knowledg Name		Crichal Siched by R. L. Elkins
Title of Arman Paris Paris	Position	R. L. Elkin Division	chanical engineer
Date 050 (8 1357	Company	Shell Gil C	ompany

NEW MEXICO OIL CONSERVATION COMMISSION (Revised 3-55)

MISCELLANEOUS REPORTS ON WELLS

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

COMPANY Shell Oil Company Box	: 845 Ross	well, New Mexico	Open, Congress
(Add	ress)		
LEASE Dig Eddy Unit WELL NO.	1 UNIT C	s 36 T	21 U R 20 E
DATE WORK PERFORMED 10-18 thru 10-	21-57 POOL	Big Eddy Area	All ret
This is a Report of: (Check appropriate b	lock) Tx B	esults of Test	of Casing Shut-off
			· · · · · ·
Beginning Drilling Operations	F	lemedial Work	
Plugging		)ther	
Detailed account of work done, nature and	quantity of m	aterials used an	d results obtained.
Fan 2843 of 13-3/8" caring and Plug down 6 6:20 pm (FDT) 10-16-1500 psi for 30 minutes. First 0.K.	-57. After VCC	36 hours, teste	d with
		in the second	
	-	•	
FILL IN BELOW FOR REMEDIAL WORK	REPORTS ON	1 V	<del></del>
Original Well Data:	<u> </u>		· .
OF Elev. TD PBD	Prod. Int.	Comp	l Date
Thng. Dia Thng Depth O			
Perf Interval (s)	_	<del></del>	
· · · · · · · · · · · · · · · · · · ·	ing Formation	(s)	
RESULTS OF WORKOVER:		BEFORE	AFTER
Date of Test			
Oil Production, bbls. per day			
Cas Production, Mcf per day			
Water Production, bbls. per day	·		
Gas-Oil Ratio, cu. ft. per bbl.	•	<del></del>	
Gas Well Potential, Mcf per day			
Witnessed by			•
		(Comp	
OIL CONSERVATION COMMISSION		tify that the info and complete t	
No In Eller of	my knowledg		CHICHTAL SIGNED
Title mater	Name_	R. L. Flkins	R. L. ELKINS
Date Office and	Position Company		nemical Engineer
	COMPANY	"bell 011 Cor	η∽ スピ.Υ

Form C-103 (Revised 3-55)

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

1971年 1977

(Submit to appropriate District Of	ffice as per Comr	nission Rule II	06)
		• :	reg. Contra.
	ox 1957 Pobb Address)	a. New Fexico	in the On Mile
(,	idaress;		
SE Sig Eddy Unit WELL NO	D. 1 UNIT C	VS 36 T	21 S R 28 3
E WORK PERFORMED 9-26 thru	9-29-57 POOL	Big Eddy Ar	0a 11/1/201
-			
is a Report of: (Check appropriat	te block) x	Results of Test	of Casing Shut-off
Beginning Drilling Operations	[ ]E	Remedial Work	:
Plugging		Other	
	^		
led account of work done, nature	and quantity of m	aterials used a	and results obtained
Ran 251' of 20" casing and comer approximately 25 sacks. Plug do hours, tested casing with 500 pe	wn 🗎 11:30 A.M. (	25 sacks. Circ NuT) 9-25-57.	ulated out After WOC 24
•		ę	
		•	
	-		
IN DELOW DOD DEMEDIAL WO	BIL DEDODES ON	T 30	
IN BELOW FOR REMEDIAL WOR	RK REPORTS ON	LI	•
lev. TD PBD	Prod. Int.	Com	pl Date
Dia Thng Depth	Oil String Dia		ing Depth
Interval (s)		On 5tr	ing Deptii
· · · · · · · · · · · · · · · · · · ·	lucing Formation	/a\ ·	
Trote Interval	dening Pormation	(5)	
LTS OF WORKOVER:		BEFORE	AFTER
of Test			
	• :	<del></del>	<del></del>
roduction, bbls. per day		<del></del>	
Production, Mcf per day		<del></del>	
r Production, bbls. per day		<del></del>	
Oil Ratio, cu. ft. per bbl.	:		
Well Potential, Mcf per day			
essed by			
			ipany)
OIL CONSERVATION COMMISSION	above is true	and complete	ormation given to the best of
MI Charles	my knowledg Name	e. R. L. Elkin	Caromal Signed by R. L. Elions
BIL AND BAS INSPECTOR -	Position	<del></del>	ethnical Engineer
OCT O	Company	V 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SOITGI . II INCCE

Form C-103 (Revised 3-55)

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

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

	-		$\mathbb{Z} \eta$
COMPANY Shell Oll Company Bay (Add	1957 <u>Pobbs</u> iress)	. New Maxico	
LEASE Big Eddy Unit WELL NO.	1 UNIT C	S 36 T	21.3 R 28 E
DATE WORK PERFORMED 9-25-57	POOL	Big Eddy Area	1 2 2
This is a Report of: (Check appropriate	block) R	esults of Test	of Casing Shut-off
Beginning Drilling Operations	R	emedial Work	
Plugging		ther	
		· · · · · · · · · · · · · · · · · · ·	1114
Detailed account of work done, nature an	d quantity of ma	iterials used a	nd results obtained
Spudded 1:00 P.	м. (ЮТ) 9-25-57	7.	
		<b>3</b> 0.	
		,	
FILL IN BELOW FOR REMEDIAL WORK	REPORTS ON	LY	
Original Well Data:			•
DF Elev. TD PBD	Prod. Int.	Com	pl Date
Thng. Dia Thng Depth	Oil String Dia	Oil Str	ing Depth
Perf Interval (s)			
Open Hole Interval Produc	ing Formation	(s)	
RESULTS OF WORKOVER:		BEFORE	AFTER
Date of Test			
Oil Production, bbls. per day	1		
Gas Production, Mcf per day			
Water Production, bbls. per day			<del></del>
Gas Oil Ratio, cu. ft. per bbl.	•	<del></del>	
Gas Well Potential, Mcf per day		<del></del>	
Witnessed by			<del></del>
			ipany)
OIL CONSERVATION COMMISSION	above is true	and complete	ormation given to the best of
Name III Constitue	my knowledg Name	e. R. L. Mlid	ORIGINAL COMES evins
Title OIL KED OAS IES: SOFA	Position	<del></del>	technologia Spaincar
Date SEP 3 0 Tuby	Company		-

-..

### NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

877 1 1957

### NOTICE OF INTENTION TO DRILL SECRETARIES.

begins If a	changes in s notice in	the prop QUINT	posed plan	n are co	onsidered advisable, a com	ov of this notice showing	g such changes wil	ore drilling or recompletion il be returned to the sender, ctions in Roles and Regula-
		· Ho	ស្វីទុខ 🗎	ew Ne	exico		September	16, 1957
OIL CON SANTA F	SERVATI	on co	MMISSIC				(Pate)	
Gentlemen	:							
You a	are hereby	notified	that it is	our in	tention to commence the Shell Oil (	(Drilling) (TECHPEC Company	and of a well to be	known as
					(Company of	Operator)		•
•	712 FG	y uni	(Lease)		,	Well No	, in	. C The well is
located	660	fc	et from	the	north		line and	(Unit) 1980 feet from the
	vest			····	line of Section			
(GIVE LC	CATION	FROM	SECTIO	N LINE				County
	n-2 C-1	3			If State Land the Oil and	i Gas Lease is No	E-5232	****
				1	If patented land the own	er is	·	
D	Z	В	A		Address			
			ļ	T	We propose to drill well	with drilling equipment	as follows: Pa	tery Tools
E	F	G	Н	21				
L	К	J	I	S	Drilling Contractor	Parker Irls. (	Co.	
M	N	O	P		We intend to complete t	his well in the	Devonian	
Se	ction 3	35			CASING P			
We p	ropose to u	se the fo	llowing st	rings of	Casing and to cement the			
Size	of Noie		Size of Cas	ing	Weight per Foot	New or Second Hand	Depth	Sacks Cement
2411			2011		21/4	new	150'	200
17 1	12"		13 3/8	311	54.5% & 61%	new	30001	2500
12 1	14"		9 5/5	311	40% 43.5% 47%	ney	8500 \$	1200
8 5	/8"	5 1	$1/2^{\parallel}$ or	7"	*	nev	*	•
			-		visable we will notify you ecompletion give fuil det		work,)	
*Dep	endent	upon	oil ch	10W3,	lost circulation	i, lügh pressur	e gas, etc.	`
. ,		SEP	S 0 10	57		Sincerely yours,	٠.	
Approved Except as			4			Shell	Oil Company (Company or Ope	more &
						Py	Dennie 46	Callanae Kl
٠	OILO	ONSER	VATION	, COMΩ	MISSION		ion Cooloita	tion Engineer

None Shell Cil Cormony
Addres P. O. Por 1957

- Enbbs, You Memica

Form C-128
Revised 5/1/57

### NEW MEXICO OIL CONSERVATION COMMISSION

### Well Location and Acreage Dedication Plat

ection A.		•		_Date	September 16, 1957
erator	Shell Oil Comp a			Eddy Unit	en de la companya de
11 No. 1	_Unit Letter_C Feet From_ G. L	Section 30 north Line, Elevation not	1980	Feet From	
me of Produci	ng Formation	Devonian	Pool	Big Edd	y Area (Wildcat) d on the plat below?
If the answer consolidate "yes," Type	er to question of d by communitize of Consolidation	ation agreement on Federal	or otherwise' Unit	? Yes <u>X</u>	the owners been No If answer is
If the answer	er to question	two is "no," lis	st all the own	ners and th	neir respective interests
	Owner	•	Land	Description	<u>on</u>
<del></del>					
ction.B	<del>January and Santa</del>	-,			·.
/ɔao'-	Y CCC +	· · · · · · · · · · · · · · · · · · ·	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	info abo to	s is to certify that the ormation in Section A ve is true and complete the best of my knowledge belief.
·.			<del> </del>		Coperator)  P. A. Dennie (Representative)
			{ }		Division Exploitation Eng. Address
			 	wel pla fro sur my	s is to certify that the l location shown on the t in Section B was plotted m field notes of actual veys made by me or under supervision and that the
				the bel Dat	e is true and correct to best of my knowledge and ief. e Surveyed Sentember 12, 195  Land Land Surveyor.

### INSTRUCTIONS FOR COMPLETION:

- 1. Operator shall furnish and certify to the information called for in Section A.
- 2. Operator shall outline the dedicated acreage for both oil and gas wells on the plat in Section B.
- 3. A registered professional engineer or land surveyor registered in the State of New Mexico or approved by the Commission shall show on the platthe location of the well and certify this information in the space provided.
- 4. All distances shown on the plat must be from the outer boundaries of Section.
- 5. If additional space is needed for listing owners and their respective interests as required in question 3, Section A, please use space below

OIL CONSTRUM ARTECIA DI	ION COMM	ISSICN
No. Copies Dage	ist 6	DÉ
1000	File at	· <del></del>
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Charles	1	
Senta Fe		
Protetion Chico		
Otato Lond office	· ~ !	
	#	1
•		

<sup>\* &</sup>quot;Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1953 Comp.)