SWD

Jim.blount@dvn.com e-mail Address

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE **Application Acronyms:** [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [PPR-Positive Production Response] [EOR-Qualified Enhanced Oil Recovery Certification] [1] **TYPE OF APPLICATION - Check Those Which Apply for [A]** Location - Spacing Unit - Simultaneous Dedication [A] NSL NSP SD Check One Only for [B] or [C] Commingling - Storage - Measurement [B]☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM Injection - Disposal - Pressure Increase - Enhanced Oil Recovery [C] □ WFX □ PMX □ SWD □ IPI □ EOR □ PPR [D]Other: Specify **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or □ Does Not Apply [2] Working, Royalty or Overriding Royalty Interest Owners [A] [B] Offset Operators, Leaseholders or Surface Owner [C]Application is One Which Requires Published Legal Notice [D] Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office [E] For all of the above, Proof of Notification or Publication is Attached, and/or, [F]Waivers are Attached SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE [3] OF APPLICATION INDICATED ABOVE. **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative [4] approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division. Note: Statement must be completed by an individual with managerial and/or supervisory capacity. Operation Engineering Advisor James Blount Print or Type Name

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

FORM C-108 Revised 4-1-98

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? X Yes No
II.	OPERATOR: Devon Energy Production Company, LP
	ADDRESS: 20 North Broadway, Ste 1500, Oklahoma City, OK 73102
	CONTACT PARTY: <u>James Blount</u> PHONE: (405)228-4301
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 X_No If yes, give the Division order number authorizing the project:
V.	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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, 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.).
*VIII.	Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic 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 sources known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
*X.	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 sources 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: James Blount TITLE: Operations Engineering Advisor
	SIGNATURE: DATE: 7-24.03
*	If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal:

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 the 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, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

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

C-108 Application for Authorization to Inject Devon Energy Production Company, LP Catclaw 2 State #1 Unit 1, Sec 2 T26S R29E Eddy County, New Mexico

Devon Energy Production Company, LP plans to convert this well to a water disposal well into the Delaware Sand.

Operator:

Devon Energy Production Company, LP

20 North Broadway, Ste 1500 Oklahoma City, OK 73102

Well Data:

See Attachment A

This is not an expansion of an existing project

See Attached map, Attachment B.

7 well are within the area of review penetrate the proposed injection zone (See Attachment C)

Proposed average daily injection volume approximately 1,000 BWPD. Maximum daily injection volume approximately 2,000 BWPD.

This will be a closed system.

Proposed average injection pressure unknown Proposed maximum injection pressure 1000 psi.

Sources of injected water would be produced water from the Delaware Sand. (Attachment D)

The proposed injection interval is the Delaware Sand formation consisting of porous Sandstone from estimated depths of 3207' – 4310'.

Possible Fresh water zones overlie the proposed injection formations at depths to approximately 500'. There are no fresh water zones underlying the formation.

The proposed disposal interval may be acidized with 7 ½% HCL acid, or proppant fractured.

Logs were filed at the Artesia office when the well was drilled.

Does anything exists within a one-mile radius of the subject location?

Devon Energy Production Company, LP has examined geologic and engineering data and has found that there is no evidence of faulting in the proposed interval.

Proof of Notice.

- A. Certified letters sent to the surface owner and offset operators attached (Attachment E)
- B. Copy of legal advertisement attached. (Attachment F

Certification is signed.

Print or Type Name:	James Blount	
Signature:	Jame Kow	
Title:	Operations Engineering Advisor	
Date:		
e-mail Address:	jim.blount@dvn.com	

Devon Energy Production Company, LP Catclaw 2 State #1 A-2-T26S R29E

Eddy County, New Mexico

Attachment A

Well Data

Lease Name/Location

Catclaw 2 State #1 A-2-T26S R29E 710 FNL & 500 FEL

Casing String

Present well condition

13 3/8", 54.5#, J55 set @620' w/655 sx (circ)

8 5/8", 32# & 24#, J55, set @3207' w/1650sx (circ)

5 ½", 15.5#, 5815', K55 set @5815' w/6570sx

Present Status

Plugged, The 5 ½" csg was cut @4400' TOC @4640', Open hole from 3257' to 4400'

Proposed well Condition

Casing same as above. Drill out the cement plug @3208' 3 ½", 9.3#, J55 plastic-coated injection tubing @

Propose to use Guiberson or Baker plastic-coated or nickel-plated packer set @3160'

Injection formation: Delaware Sand

Injection Interval will be through the open hole from approximately 3207' – 4310' gross interval.

Well was originally drilled as a Delaware Sand oil well. Well will be Delaware Sand water disposal well (3207' – 4310') when work is completed

Perforations: Open Hole

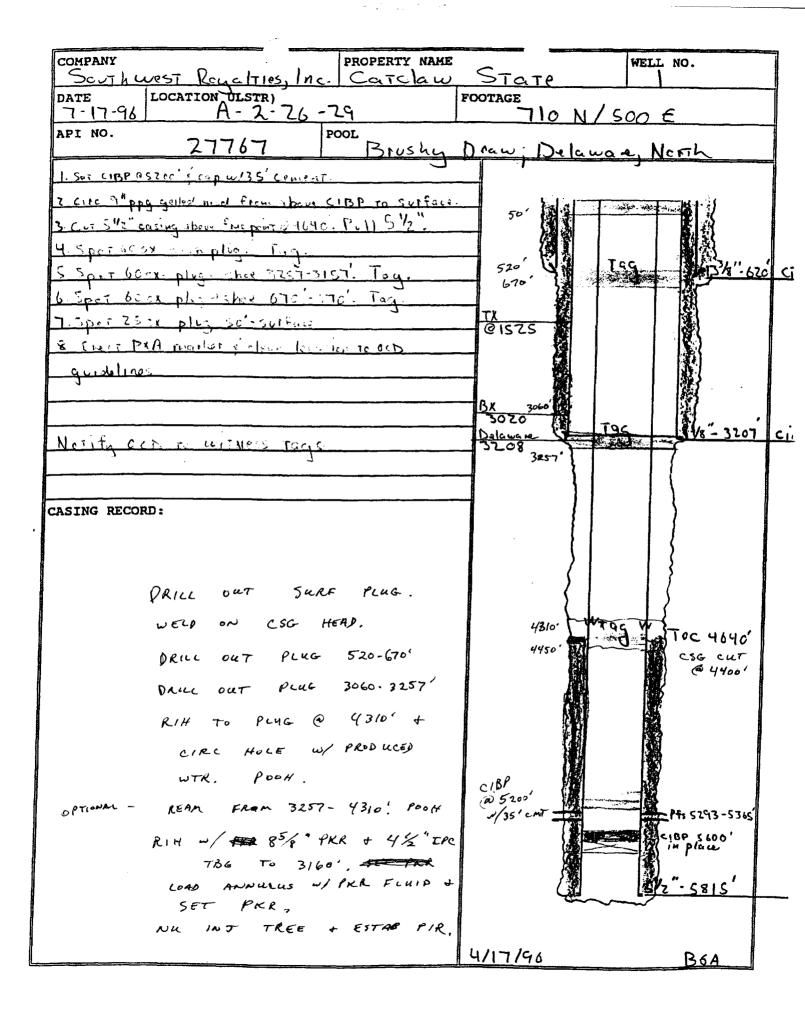
Next higher (shallower) oil or gas zone within 2 miles - None Next lower (deeper) oil or gas zone within 2 miles - 5200'

Devon Energy

Well Summary 710' FNL & 500' FEL, Sec 2 T26S R29E Catclaw State Surf Loc: Engr: James Blount Lease: BHL: Well #: #1 Straight Hole 2997' GR Elev County/State: Eddy, NM Spud Date: 12/28/1993 Compl Date: 1/26/1994 North Brushy Draw, Delaware TD Date: 1/13/1994 Field: API# 30-015-27767 Depth Mud Wt. & Open Hole Casing Directional Logging Sands/Markers TVD MD Current Casing Profile Hole Size Details Cement Used Type Cmt Tag @50' 17 1/2" 13 3/8", 54.5# 655 sx Cmt 520' 520' J55, ST&C 620 670' 620 670' Cmt Tag @520' - 670' ΤX 1525 1525 вх 3020 3020 3207' 3207 Delaware 4310' 4310' 4450' 4450' TOC @ 4640' Csg Cut off @ 4400' CIBP @ 5200' w/35' cmt CIBP @ 5600' 5 1/2", J55, Cm'td w/670 sx TD 5815 5815 7 7/8" Hole 17#, 15.5#, LT&C

Devon Energy

Well Summary 710' FNL & 500' FEL, Sec 2 T26S R29E Surf Loc: Lease: Catclaw State Engr: James Blount Well #: BHL: 2997' GR #1 Straight Hole Elev Eddy, NM Compl Date: 1/26/1994 County/State: Spud Date: 12/28/1993 Field: North Brushy Draw, Delaware TD Date: 1/13/1994 API# 30-015-27767 Depth Open Hole Casing Mud Wt. & Cement Used Directional Sands/Markers Proposed Casing Profile Hole Size Details Logging TVD MD Type 50' Cmt Tag @50' 13 3/8", 54.5# 655 sx Cmt 17 1/2" 520 520' J55, ST&C 620 620 670' 670' Cmt Tag @520' - 670' ΤX 1525 1525 ВX 3020 3020 3207 3207 Delaware 4310' 4450' 4310' 4450' Cmt Plug 4310' - 4450' TOC @ 4640' Csg Cut off @ 4400' CIBP @ 5200' w/35' cmt CIBP @ 5600' 5 1/2", J55, Cm'td w/670 sx TD 5815 5815 7 7/8" Hole 17#, 15.5#, LT&C



Attachment "C"

Catclaw 2 State #1 Form C108

Tabulation of data on wells within area of review

LOOK@SUD-541

					Producing			
Well Name	Operator	Туре	Spud	Total Depth	Zone	Perforations	Completion Information	
State #1 660 FNL & 660 FEL Sec 2-26S-29E 0312+ \	Devón	D&A	6/14/1960	3359'	Dry Hole	Did not penetrate zone	7 5/8" 775, Cmtd w/300 sx Set plugs @ 3200' - 3050' Set plugs @ 775' - 625' Set plugs @150' - 0	ok
Tesuque 2 State #1 660' FNL & 1980' FWL 32799 Sec 2 26S 29E	Devon	Oil	5/30/2003	6010'	Delaware	5256' - 5930'	13 3/8" @691', Cmt'd w/650 sx 5 1/2" @6010', Cmt'd w/1800 sx	oK
China Grove Federal #1 660' FNL & 660' FWL 27618 Sec 1-26S-29E	Southwest Royalties	P&A	9/27/1993	5850'	Delaware	5645' - 5718'	13 3/8" @610, Cmt'd w/400sx 8 5/8" @3230, Cmt'd w/1705sx 5 1/2" @5850, Cmt'd w/600 sx	oK
North Brushy Draw A 35 Federal #3 1980 FSL & 660 FEL 2750 2 SEC 35 25S 29E	•	Oil	7/1/1993	5772'	Delaware	5638' - 5675'	13 3/8" @621, Cmt'd w/600sx 8 5/8" @3225, Cmt'd w/1350sx 5 1/2" @5772, Cmt'd w/635 sx	oκ
North Brushy Draw A 35 Federal #4 400 FSL & 600 FEL SEC 35 25S 29E 2780.5	/	TA	2/2/1994	7200'	Delaware	5618' - 5680'	13 3/8" @640, Cmt'd w/685sx 8 5/8" @3220, Cmt'd w/1283sx 5 1/2" @5744', Cmt'd w/615sx	oK
North Brushy Draw A 35 Federal #8 990 FSL & 1980 FEL SEC 35 25S 29E 27 87 4		Oil	3/14/1994	5741'	Delaware	5567' - 5637'	13 3/8" @605, Cmt'd w/650sx 8 5/8" @3185, Cmt'd w/1050sx 5 1/2" @5741', Cmt'd w/600sx	σK
Pogo 36 State #2 330 FSL & 330 FWL .27399 SEC 36 25S 29E	Southwest Royalties	P&A	8/24/1993	5900'	Delaware	5680' - 5710'	13 3/8" @617, Cmt'd w/600sx 8 5/8" @3256, Cmt'd w/1350sx 5 1/2" @5900', Cmt'd w/665sx	OK



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37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all irrill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		ТОР		
Getty (Delaware)	5564	5698	Oil & Water	NAME	MEAS. DEPTH	TRUE VERT. DEPTH	
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			·	Base Salt	3020'		
		· ·	• ;	Delaware LS	3200'		
	!		÷	Delaware SS	3233'		
				Cherry Canyon	40931		
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Date: 7/18/2003 12:49 PM Time:

PI/Dwights PLUS on CD Well Summary Report

General Information OIL **NEW MEXICO Final Status** State **EDDY** Drill Total Depth 5772 County **BRUSHY DRAW NORTH** Log Total Depth Field True Vertical Depth SOUTHWEST ROYALTIES Operator Name Lease Name NORTH BRUSHY DRAW 'A 35' FEDERAL Well Number Spud Date JUL 01, 1993 30015275020000 Comp Date **API Number** AUG 02, 1993 Regulatory API WO Init Lahee Class Hole Direction **VERTICAL** WOE Final Lahee Class Reference Elevation Permit Number Ground Elevation 3026 **KB** Elevation Geologic Province PERMIAN BASIN Formation at TD 453DLWR **DELAWARE** Oldest Age Pen 453 PERMIAN GUADALUPIAN **Producing Formation** 453DLWR **DELAWARE** Township 25 S Section : 35 SEC Range 29 E Spot : NE SE Base Meridian **NEW MEXICO Additional Location Information Footage Location** 1980 FSL 660 FEL CONGRESS SECTION Latitude 32.0843800 Latitude (Bot) Longitude -103.9478300 Longitude (Bot) Lat./Long. Source TS Location Narrative Type Remark LOCATION 12 MI SE MALAGA, NM SLIGHTLY SE OF SOUTHWEST ROYALTIES #1, COMP 3/30/93 FROM (DLWR) IN UNNAMED FLD **Initital Potential Tests** Top Base Base Oil Top Prod Test Test Form Form Depth Depth Choke GOR Method Method Grav 453DLWR 453DLWR 5638 5675 001 171 **PERF PUMPING** IP Volume Oil Gas Cond Wtr Test Amount Unit Desc Amount Unit Desc **Amount** Unit Desc Amount Unit Desc 001 **BPD** 193 33 **MCFD** 200 BBL IP Pressure FTP Test SITP **FCP SICP** 001 IP Perforation Test Top Base Type Method Top Form Base Form Status Count Density Per 453DLWR 001 5638 5655 PERF 453DLWR Α 001 5658 5675 **PERF** 453DLWR 453DLWR Α **Casing Data** Size Base Depth Cement Unit 13 3/8 IN 621 600 SACK 8 5/8 IN 3225 1350 SACK 5 1/2 IN 5772 635 SACK **Tubing Data** Size Base Depth Mixed String

2 7/8 IN

5683

Date: 7/18/2003 Time: 12:49 PM

PI/Dwights PLUS on CD Well Summary Report

Dwights Energydata Narrative

Accumulated through 1997

(5638-5775) P 193 BOPD; 33 MCFGPD; 200 BWPD IP:

Perfs: 5658-5675

Perfs: - no treatment rptd

Perfs: 5638-5655

Perfs: - no treatment rptd

Dwights number: T4549860

SIGNED

SUBMIT IN DUP. ATE. LINITED STATES

(See other in-

FORM APPROVED
OMB NO. 1004-0137

3-28-94

DATE _

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			744	7/011	2700'	- 615	sx C1 C		-0-
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		LINER RECOI	RD.		30.	T	EPTR OF (MD)		
0138	TOP (MD)	LINER RECOI	RD BACKS CEMENT®		30. ID) BIER	T			
	TOP (MD)	LINER RECOI	RD BACKS CEMENT®	SCREEN (M	30. aize 2-7/	8" B	5600 TURE CEMENT	SQUEE	ACEER SOT (MD)
0138	TOP (MB)	LINER RECOI	RD BACKS CEMENT®	SCREEN (M	30. BIER 2-7/ ACID. SHOT. FERVAL (MD)	BII B	5600 TURE. CEMENT	SQUEE OF MAT	ACKER SOT (MD) ZE, ETG. BRIAL USED
5618' - 5 5636' - 5	TOP (MD) TORD (Interval, et 6630' 6638'	LINER RECOI	RD BACKS CEMENT®	SCREEN (M	30. aize 2-7/	BII B	5600° JRE CEMENT DUST AND BIRD 000 # 16/	SQUEE OF MAY	LE ETC. TENIAL USED TOWN Sand
5618' - 5 5636' - 5 5641' - 5	TOP (MD) ORD (Interval, et 6630' 6638' 6666'	LINER RECOI	RD BACKS CEMENT®	SCREEN (M	30. BIER 2-7/ ACID. SHOT. FERVAL (MD)	8" B B B B B B B B B	5600' JRE CEMENT DUST AND EIRD 000 # 16/	SQUEE OF MAY 30 Ot 30 RC	ZE ETC TEMAL VSED LOWA SAND
5618' - 5 5636' - 5	TOP (MD) ORD (Interval, et 6630' 6638' 6666'	LINER RECOI	RD BACKS CEMENT®	SCREEN (M	30. BIER 2-7/ ACID. SHOT. FERVAL (MD)	8" B B B B B B B B B	5600° JRE CEMENT DUST AND BIRD 000 # 16/	SQUEE OF MAY 30 Ot 30 RC	ZE ETC TEMAL VSED LOWA SAND
5618' - 5 5636' - 5 5641' - 5 5670' - 5	TOP (MD) ORD (Interval, et 6630' 6638' 6666' 6680' (5	LINER RECORD (ND) See and number (RD BACKS CEMENTO PRO	SCREEN (M S2. DEPTH IN 5618	30. BIEE 2-7/ ACID. SHOT. FERVAL (MD) - 5680†	8" B B B B B B B B B	5600' JRE CEMENT DUST AND EIRD 000 # 16/	SQUEE OF MAY 30 Ot 30 RC	ZE ETC TEMAL USED TOWN Sand C Sand
5618' - 5 5636' - 5 5641' - 5 5670' - 5	TOP (MB) ORD (Interval, et 6630' 6638' 6666' 6680' (5	LINER RECOME (ND) DECEMBER OF THE CONTROL (ND) LEC AND NUMBER (ND) LEC AND NUMBER (ND)	RD BACKS CEMENTO	SCREEN (M S2. DEPTH IN 5618	30. BIEE 2-7/ ACID. SHOT. FERVAL (MD) - 5680†	8" B B B B B B B B B	5600 T JRE CEMENT OUT AND EIR 000 # 16/ 000 # gal	SQUEE SQUE SQU	ZE ETC TEMAL USED TOWN Sand C Sand
5618' - 5 5636' - 5 5641' - 5 5670' - 5	TOP (MB) ORD (Interval, et 6630' 6638' 6666' 6680' (5	LINER RECOME (ND) LEC and number LEC and number LECTION METHOD CUMPING	PRO (Flowing, gos lift, p	SZ. DEPTH IN 5618 DUCTION	ACID. SHOT. FERVAL (MD) - 5680'	8" B B B B B B B B B	5600 T TRE CEMENT NOTE AND EIRD 16/200 # 16/200 # gal	SQUEE OF MAX 30 Ot 30 RG s free Processing	EEE ETC. TENAL USED TOWN Sand C Sand Ic fluid Producing or Oducing
5618' - 5 5636' - 5 5641' - 5 5670' - 5	TOP (MD) ORD (Interval, et	LINER RECOME (ND) SECOND STATE OF THE PROPERTY OF THE PROPERT	PRO (Flowing, gos lift, p	SCREEN (METER (METER) SZ. DEPTH IN 5618 DUCTION Tumping—circ	ACID. SHOT. FERVAL (MD) - 5680 and type of pum	8" B B B B B B B B B	5600' JRE CEMENT JUST AND EIND 1000 # 16/ 500 # gal: WELL AN SAUGH	SQUEE OF MAX 30 Ot 30 RG s free Processing	ER ETC ERIAL USED CLOWA SAND C SAND C Fluid Producing or Oducing
5618' - 5 5636' - 5 5641' - 5 5670' - 5	TOP (MB) ORD (Interval, et 6630' 6638' 6666' 6680' (5	EINER RECOME BOTTOM (ND) LOTION METHOD CHOSE SIZ N/A RE CALCULATE	PROD'N. POR TEST PRIND OH.—BRI.	SZ. DEPTH IN 5618 DUCTION	ACID. SHOT. FERVAL (MD) - 5680 GAR—NC	8" B B B B B B B B B	5600' JRE CEMENT JRE CEMENT JUST AND EIRD 1000 # 16/ 1000 # 16/ 500 # gal: WELL BY SAMF- WATER—BBL. 229	SQUEE OF MAS 30 Ot 30 RG s fra	EEE ETC TENAL USED TOWN Sand C Sand oc fluid Producing or oducing
5618' - 5 5636' - 5 5636' - 5 5641' - 5 5670' - 5 3-10-94 TR PIRST PRODUCTS 3-10-94 TR OF TREE 3-19-94	TOP (MD)	LINER RECOME BOTTOM (ND) CONTROL (ND)	PROD IN POR TRET PERIOD OIL.—BBI.	SZ. DEPTH SH 5618 DUCTION Temping—else 011—881. 50	ACID. SHOT. FERVAL (MD) - 5680 GAR—NC	8" B B B B B B B B B	5600' JRE CEMENT JRE CEMENT JUST AND EIRD 1000 # 16/ 1000 # 16/ 500 # gal: WELL BY SAMF- WATER—BBL. 229	SQUEE OF MAY 30 Ot 30 RO s fra FATCO () III) Pro GAI ORA ORA ORA ORA ORA ORA ORA O	EXECUTE SET (MD) ZEL ETC. ERIAL USED Stown Sand C Sand C fluid Producing or Oducing Doll RATIO 200 ITT-API (CORE.)
5618' - 5 5636' - 5 5641' - 5 5670' - 5 ** ** ** ** ** ** ** ** ** ** ** ** *	TOP (MD)	LINER RECOME BOTTOM (ND) CONTROL (ND)	PROD IN POR TRET PERIOD OIL.—BBI.	SZ. DEPTH SH 5618 DUCTION Temping—else 011—881. 50	30. BIEE 2-7/ ACID. SHOT. FERVAL (MD) - 5680' and type of pum GAS—No. 10	8" B B B B B B B B B	5600' JRE CEMENT JRE CEMENT JUST AND EIRD 1000 # 16/ 1000 # 16/ 500 # gal: WELL BY SAMF- WATER—BBL. 229	SQUEE OF MAY 30 Ot 30 RO S fra FATCE (I	ER ETC BRIAL USED CLOWA SAND C SAND C Fluid Producing or Oducing BOIL BATIO 200
5618' - 5 5636' - 5 5636' - 5 5641' - 5 5670' - 5 3-10-94 TR PIRST PRODUCTS 3-10-94 TR OF TREE 3-19-94	TOP (MD) TORD (Interval, et al., et a	LINER RECOME BOTTOM (ND) CONTROL (ND)	PROD IN POR TRET PERIOD OIL.—BBI.	SCREEN (M S2. DEPTH IN 5618 DU'CTION Tomping—class GAS—	30. BIEE 2-7/ ACID. SHOT. FERVAL (MD) - 5680' and type of pum GAS—No. 10	8" B B B B B B B B B	5600 T JRE CEMENT SUPT AND EIND 000 # 16/ 000 # 16/ 000 # gal: WELL BY SAUF- WATER-BBL. 229	SQUEE OF MAT 30 Ot 30 RG S fra FATCE (In) Pro UAL 36	EXECUTE SET (MD) ZEL ETC. EXIAL USED TOWA Sand C Sand C fluid Producing or Oducing DOIL BATIO 200 ITT-API (CORE.)

TITLE .

Regulatory Agent

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		TO	P
Top Delaware	3236			NAME	MEAS. DEPTH	TRUE Vert. Depth
Sand		}		Delaware Lime	3204'	
Cherry Canyon SS	4110'	·		Cherry Canyon Marker	4287'	
lop Williamson	5280'	5367'			. :	·
Top Getty SS	5582'	5708'				
	e-!					
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Date: 7/18/2003 Time: 12:49 PM

PI/Dwights PLUS on CD Well Summary Report

General Information NEW MEXICO Final Status TA State **EDDY Drill Total Depth** 7200 County **BRUSHY DRAW NORTH** Log Total Depth Field True Vertical Depth SOUTHWEST ROYALTIES Operator Name Lease Name NORTH BRUSHY DRAW 'A35' FEDERAL Well Number 4 Spud Date FEB 02, 1994 30015278050000 Comp Date FEB 22, 1994 **API Number** Regulatory API Init Lahee Class D **Hole Direction VERTICAL** D Final Lahee Class Reference Elevation 3056 KB Permit Number Ground Elevation 3048 **KB** Elevation Geologic Province **PERMIAN BASIN** 3056 Formation at TD 453DLWR **DELAWARE** Oldest Age Pen 453 PERMIAN GUADALUPIAN 25 S Township Section 35 SEC 29 E Range Spot SE SE Base Meridian **NEW MEXICO Additional Location Information** 400 FSL 600 FEL CONGRESS SECTION **Footage Location** Latitude 32,0799300 Latitude (Bot) -103.9478900 Longitude (Bot) Longitude Lat./Long. Source TS Location Narrative Type Remark LOCATION 12 MI SW MALAGA, NM **Production Tests** Top Top Base Base Oil Prod Test Test Form Form Depth Depth GOR Grav Choke Method Method 001 **UNDESIGNATED Production Volume** Oil Cond Gas Wtr Test **Amount** Unit Desc Amount Unit Desc Unit Desc Amount Unit Amount Desc 001 **Casing Data** Size Base Depth Cement Unit 13 3/8 IN 600 8 5/8 IN 3141 **Dwights Energydata Narrative** Accumulated through 1997 IP: (Delaware 5618-5680) P 50 BOPD grav 36; 10 MCFGPD; 229 BWPD

Perfs: 5618-5680 (Delaware

Perfs: w/52 holes total @ 5618-5630, 5636-5638, 5641-5666, 5670-5680 - frac

w/107000# 16/30 sd 26000# 16/30 resin coated sd 44500 gal frac fluid Perfs:

T4591700 Dwights number:

Form 3160-4 (November 1983) (formerly 9-330)

UNITED STATES

SUBMIT IN DUPLICATE. 88210 Form approved.
SUBMIT IN DUPLICATE. Expires August 31, 1985

(10.2)		TMENT C			R	struct rever	ikons on ne side)	5. EKASE DE		HON AND SERVAL NO.
WELL CO	MPLETION	OR RECO	MPLETION	REPORT	AN	D LO	3 *		ALLO	TTRE OR TRIBE HAME
1s. TYPE OF WEL		L X GAR WELL			• 1	**	<u>a,ı </u>	N/A 7. UNIT AGRI	EMEN	T NAMB
L TYPE OF COM	PLETION:			iiAI U	ا نا	r- dil	Jh	N/A		
WELL X		P. Dack [DIFF.	OSpirt			<u> </u>	S. FARM OR	LEASE	NAKB
2. NAME OF OPERAT		~ .	001	Air	0		Ţ,	North B	rus	hy Draw "A" 35
3. ADDRESS OF UPER	Royalties	, inc.	W sel q	Llege	pr.	<u> </u>		30-015-		Federal #8
P.O. Box	11390, M	idland, Te	xas 79702	2 (915)	686-	9927		10. PIELD AN	D P00	L. OR WILDCAT
4. LOCATION OF WEL	.L (Report locatio	on cicarly and in	accordance with	any Statistical	a Valer	(0)0		North E	rus	hy Draw (Delaware
								OR AREA	A., #.,	OR SCOCK AND SURVEY
At top prod. into	erval reported be	low AS ADO	ve	MAY :	73.5	14		Sec. 35	5. T	-25-S, R-29-E
At total depth	As Above									
			14. PERNIT			1881'ED		12. COUNTY	DR	13. STATE
15. DATE EPUDDED	16. DATE T.D. B	BACHED 17. PAT	N/A E COMPL. (Read	ARIESI y to prod.) 1	8. ELET	422-94 MATIONS (B	F, RKB, 1	Eddy ET, 68, ETC.)*	19.	New Mexico BLEV. CABINGHBAD
3-14-94	3-30-9	1	4-10-94			GL 30				3012'
20. TOTAL BEPTH, MD	1 TVD 21. PLU	G, BACK T.D., MD &	TVD 22. IF 3	CHANTO COMP		23. INT	ERVALB	ROTARY TOO	LIS.	CABLE TOOLS
5741'	VALUE OF THIS	CON PLETION—TO	P. BOTTOM. NAME	(MD AND TVD)			<u>→ </u>		1 2:	S. WAS DIRECTIONAL
		I				S = 1 ====	\			BURYRY MADE
2207 2	637. 21	holes,	1 JSPr	(Getty-Sa	and I	Je Lawa	rej			es (attached)
26. TYPE BLECTRIC A									27. W	AS WELL CORED
Cement Box	nd Log / D	LL / Neutr	on ING RECORD (Parad all string				<u> </u>		No
CABINO BIEE	WEIGHT, LB./			HOLE SIES	1		ENTING	RECORD		AMOUNT PULLED
13-3/8"	61 #	6	05'	17-1/2"	Su	rface	- 65	0 sx Cl (;	None
8-5/8"	24 & 32			12-1/4"				0 sx Cl (None
5-1/2"	15.5 #	57	41'	7-7/8"	23	20'	- 60	0 sx C1 (<u> </u>	<u>None</u>
39.	<u>!</u>	LINER RECORD	· · · · · · · · · · · · · · · · · · ·		' 	30.		TUBING RECO	RD	
8122	TOP (MD)	BOTTOM (MD)	BACKS CEMENT	SCREEN ((D)	\$122		DEPTH SET (M	D)	PACKER SET (MD)
							_			
31. PERPORATION REC	ORD (Interval, ei	ec and number)	<u> </u>	1 82.	AC	ID SHOT	PRACT	URB, CEMENT	1108 1	PER ETC
		·		DEPTH I				·		MATBRIAL DEED
5567' - 5	637' 1	JSPF		5567'	- 50	637'	1750	gals NEI	E 7	-1/2% acid
								00 gals g		
								000 # 16/3		Ottowa Sand
33. •			rı	RODI'CTION			, 24,0	JJ # 10).	,	V VGIIV
DATS FIRST PRODUCTI		CTION METHOD (flowing, gas lift	, pumping—eis	end f	ppc of pur	np)		BTATU	a (Producing or
4-11-94 DATE OF TEST	NOURS TESTED	Pumping CHOKE BIRE	PROD'N. POR	011-991.		GAR-N		WATER-BDL		ducing
4-30-94	24	N/A	TEST PERIO			1		187	.	59
PLOW. TUBING PRIME.	CABINO PRESEUT		011,		-MCT.	· •	WATER-		OIL 6	RAVITT-API (CORR.)
N/A	N/A									36.0
34. DISPOSITION OF GA				J. 3	tora	۲.		TRAT WITHE		7
35. LIST OF ATTACHY	les if ine	rease		1	3 19		·	Al Per	ry	
Cement Bo	nd Jog h D	LA / Neutr	on / Devia	ation Surv	vey					
36. I bereby certify	that the totegoin	and attached to	nformation is co	implete and cor	rect as	determin	ed from	all available r	ecords	
BIGNED	he Vath	K.	TITLE	Regu	lato	ry Age	nt	DATE	·	5-4-94

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and 38. GEOLOGIC MARKERS recoveries): FORMATION TOP BOTTOM DESCRIPTION, CONTENTS, ETC. TOP NAME TRUE MBAS, DEPTH VERT. DEPTH Bell Canyon SS 3212' 40601 Fine grained sands and siltstones. 3167' Fine grained sands, tight limestones and Cherry Canyon SS 4060' 52401 Lamar Limestone siltstones. 42431 Cherry Canyon 52401 Brushy Canyon SS 5741 Fine grained sands and siltstones.

Date: 7/18/2003 Time: 12:49 PM

PI/Dwights PLUS on CD Well Summary Report

				'an anal Infan					-					
				eneral Infor		n			Einel C	4 - 4		OII		
State				EW MEXIC	:O				Final S		•	OIL		
County				DDY	4 777 3	ODATI				otal Depth		: 5741		
Field				RUSHY DR						tal Depth		:		
Operator				OUTHWEST						ertical Dep	th	:		
Lease Na				ORTH BRU	SHY.	DRAW	A35 I	EDE				3615		
Well Nu			: 8						Spud D				14, 1994	+
API Nun			: 3	00152787400	000				Comp 1	Date		: APR	30, 1994	
Regulato	-		: _											
Init Lahe			: D							irection			TICAL	
Final Lal		1	: D	00						nce Elevati		: 3019	KB	
Permit N			: _							l Elevation		: 3011		
Geologic		е		ERMIAN BA	ASIN				KB Ele	evation		: 3019		
Formatio				53DLWR		DELA								
Oldest A	-	. •		53					ALUPI	.AN				
Producin	_	tion		53DLWR		DELA	WARE	5	a				~=~	
Townshi	p		: 2						Section	1			SEC	
Range			: 2						Spot			: SW S	E	
Base Me	ridian		: N	IEW MEXIC	O									
			A	dditional Lo	ocatio	n Inforn	nation							
Footage	Location		:	990 FSL 1				ESS S	SECTIO	N				
Latitude				2.0816700	, , , ,		011011			e (Bot)				
Longitud				103.9520700						ude (Bot)	:			
Lat./Lon				S					Longia	(200)	•			
Location	-			уре					Remark	c				
		•		OCATION						SE MALA	GA. NM			
				nitital Poten	tial T	noto					,			
	Тор		Base		op	Base				Oil	Prod		Test	
Test	Form		Form	Dep	-	Depth	Cho	ke	GOR		Method		Method	1
001	453DL	WR	453DL	_		5637	0110		59		PERF		PUMP	
**-			IP Vo										101,11	
		Oil			Cond				Gas		W	tr .		
Test	Amount		t Desc	Amount	Unit	Desc	Amo			Desc A	Amount U		sc	
001	17	BPI							MCFD		187 B			
			IP Pre	essure										
Test	FTP	,	SITP	FCP	SICI	•								
001														4.
			IP T	reatment										
Test	Top	Base	Volume	Meas Amo	ount	T/P	PSI	Inj	Турс	e Nbr	Agent	Add		
001	5567	5637	1750	GAL				_	ACI		_			
001	5567	5637	39000	GAL 138	000	LB			FRA	VC	SAND	GELA		
			IP Per	rforation										
Test	Top	Base	Туре	Method		Top For	m	Base	Form	Status	Cour	nt D	ensity	Per
001	5567	5637		PERF		453DLV	VR	4531	DLWR	Α			-	FT
			F	ormations										
			•	of illations				To	\n	Тор	Base	Base		
Form Co	de Fo	rm Nan	ne					Dept	-	TVD	Depth		Source	Lithology
453BLC			.NYON /:	SD/				321		עיי	Նշիա	עיי	LOG	Liniology
453CRC			CANYO					406					LOG	
453BRS			CANYO					524					LOG	
								<i>32</i> 7	. •				LOO	
			L	og Data										

oras 3160-4						NM	011			I	ORM A	APPROVED À
luly 1992)		L	TED	STATE	ES	DYP)	ill. w	DD H	'Oko			D. 1004-0137 Critically 28, 1995
	DEPAR	RTME	NT O	F THE	IN	TERIO	B .	UD ISTU	rinoma në rinoma në rse anie)	44.0h		ATION AND BERIAL NO.
	8	UREAU	OF LA	ND MANAG	EME	NŤ		, NM	98210			
												OTTER OR TRIBE HAME
WELL CO			RECO	MPLETIC	אכ	REPORT	AN	D LO	G *	N/A		
TYPE OF WEL	L: o		GAN WELL	DRY		Other			ــجب	7. I'NET AG	BERNE	NT PAME
TYPE OF COM					_					N/A		
WRILL X	- OK 162 L.J. E	KKP.	BYCK	DIFF.	<u>. U</u>	Other				_{1		ASE NAME, WELL NO.
HAME OF OPERAS		_		7.1.	,	0 -:		1 .		Chin		ove Federal #1
Southwest	Royalties	Inc	· (<u>/</u>	1 Sol of	Lug	· Keen	<u>7: -</u>	2027		_		7/70
			- 70	- 70701	, ,	(915)		9927		30-0		OL OR WILDCAT
P.O. Box	LL (Resert less	tun de	riv end un	S /9/UZ	ith a	(915)-	004 -	201				nv Draw - Delaw
At surface	660' FN	VIL & 6	60' FW	L		1/1-	-					OR BLOCK AND SURVEY D
At top prod. In	terral reported	helow	As aho	ve		nef	3 0	1993		OR ARE	4	-
at the proc. in				• •		DEV	, 0, -				_	
At total depth	As abov	7e								_1		T-26-S, R-29-E
				14. PERM	IT NO). 1	DATE	ISSUED		12. COUNTY	OE.	13. STATE
DATE SPUDDED	1 16. DATE T.D.		1 12 200	COMPL (P	***	/0 crod \		22-93		<u>Edd</u>		N.M.
			' ''' '' ''	·		1	B. ELE			ET, GB. STC.}*	1	
9-27-93	1 10-13-		7.D., MD &		P MI'I	TIPLE COMPL		3052 (23 . 187	LIATES	BOTART TO	OLO	3053'
5850'	1	580	15 '	,	k was N	KANTO I/A		DEI	LLED ST	l x		İ
PRODUCING INTRI	VAL(S). OF TH			, BOTTOM, NA			•				1:	25. WAS DIRECTIONAL SURVEY MADS
											ı	002001 4450
Getty (De			5' - 57	18'								Уo
TTPE BLECTRIC											27.	WAR WELL COME
DLL/MLL &	& CDL/CNI	_/GR				R/CBL/C					<u> </u>	No
ANNG MEE/GRADE	WEIGHT, LE	700	DEPTH SI			port ell etring	e set 6			IMENTING RECO		
3-3/8" J-5	-		610			7-1/2"	<u> ; ; </u>			ace - 4		N/A
8-5/8" J-5			323		$-\frac{1}{11}$		_			ace - 4		
5-1/2" K-5			585			-7/8 ''	1-5-	438			00 si	
<u> </u>	1			<u> </u>			Cm			ges - DV		
		Linea	RECORD					30.		TUBING REC		
6128	TOP (MB)	80TT0	M (MD)	BACES CENI	ENT*	SCREEN (M	D)	8128		DEPTH ONT (KD)	PACKER SET (MD)
N/A		-						7-7/8	3''	5627'		N/A
PERFORATION REC	oss (Internal	1	Ann ear'	<u> </u>		1						
	TENT () MEET VOIS,	-45 476	2 m (FT)			82.				TURE. CEME		
						5645'						7 NEDE
5645' - 5	7181 (51	hole	(e) 5	7 holes						O gals 7		
2042	/10 (.)	11010		,		5645'	_ =	712	30	0001-	. 0	2,000 # sand

33.0 PRODUCTION DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas iift, pumping-eize and type of pump) WELL STATUS (Producing of shut-in) 11-06-93 Pumping - 1-1/2" 20' Pump Producing DATE OF TRET PROD'N. FOR TEST PERIOD HOUSE TESTED CHOER SIZE 01L---- 82L. GAR-NCY WATER-GAS-OIL BATTO 11-23-93 N/A 22 28 151 1272 FLOW, TURNE P CASING PRESSURE CALCULATED 24-MOUR BATE 011.--- 881... GAR-MCT. WATLE--BEL OIL GRAVITT-API (CORL.) 22 N/A 28 36.0 ACCEPTED THE WHITEBOOK OF 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel & vented Al Penry 25. LIST OF ATTACEMENTS SGD.) DAVID R. GLASS DEC 2 8 1993 logs. <u>Inclination Survey, Cased hole log</u> 36. I hereoy certuy that the deverois and attached information is complete and correct as determined from all available rect SIGNED Regulatory Agent -10 - 93DAYEXICO TITLE

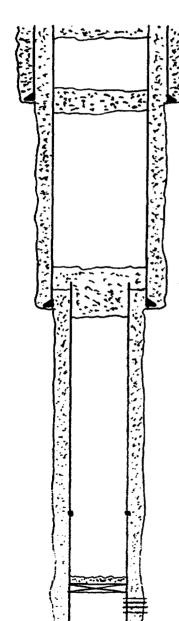
37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries): GEOLOGIC MARKERS FORMATION TOP BOTTOM DESCRIPTION, CONTENTS, ETC. TOP NAME TRUE VERT, DEPTH MEAS. DEPTH Getty (Delaware) 56101 57401 Oil & Water Base Salt 30401 30401 Delaware LS 32001 3200' Delaware SS 32601 3260' 4101' Cherry Canyon 4101' Williamson SS 54061 54061 Getty SS 56101 5610'

SOUTHWEST ROYALTIES

PROJECT Chies	Grove	Fed #	11
---------------	-------	-------	----

PAGE_	1	_OF		
BY	ROX	_DATE_	12-4-94	

Proposed Plaggion



cut play from 20'- surface

13-318" 61C' cut to envious with 600 sx

Duy from 3330'- 3050'

TOC on 5'5" is 3224' by CBL.

8518"@ 3230'. Cut to switce with 1705 sx.

DV tool @ 5000'

100' of cmt CIGP@ 5610'. Perforations: 5645' - 5718'

5'12'' @ 5860'. Cut in two stages. Du toole 6000' Lot stage: 200 sx 2nd stage 400 sx.

	₩	. 4	NM OIL CONS COMMISSION
		1	M OIL CONS SOLL
	e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	RECEIVED	Drawer DD CIVILIAN SECTION APPROVED
orm 3160-5	UNIT	TED STATES	FORM APPROVED Budget Bureau No. 1004-0135
lune 1990)		T OF THE INTERIOR	Expires: March 31, 1993
	BUREAU OF I	AND MANAGEMENT APR - 6 1995	5. Lease Designation and Serial No.
	CUMPRY NOTICES	,	NM77023
Do not use th	SUNDRY NOTICES	AND REPORTS ON WELLS ill or to deepen or reconfle a@@@@re@fW_	6. If Indian, Allottee or Tribe Name
Do not use in	Use "APPLICATION FO	R PERMIT—" for such proposals	D
		DIST. 2	7. If Unit or CA, Agreement Designation
	SUBMIT	6	7. If the of the Agreement Designation
t. Type of Well	Gas		
Well L	Well Uther		8. Well Name and No.
2. Name of Operator			CHINA GROVE FEDERAL #1 9. API Well No.
SOUT 3. Address and Telep	HWEST ROYALTIES, INC	<u> </u>	30-015-27678
•	BOX 11390, MIDLAND,	TEXAS 79702 (915) 686-9927	10. Field and Pool, or Exploratory Area
	Footage, Sec., T., R., M., or Survey D		BRUSHY DRAW DELAWARE, N.
	FNL & 660' FWL	•	H. County or Parish, State
	1, T-26S, R-29E	1/	1
	•		EDDY COUNTY, NM
2. CHE	CK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE	OF SUBMISSION	TYPE OF ACTION	I
	otice of Intent	Abandonment	Change of Plans
	one of Intern	Recompletion	New Construction
⊠ su	ubsequent Report	Plugging Back	Non-Routine Fracturing
		Casing Repair	Water Shut-Off
∕ Æ Fi	inal Abandonment Notice	Altering Casing	Conversion to Injection
		Other	Dispose Water
			(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
		pertinent details, and give pertinent dates, including estimated date of starting	
give subsurfac	ce locations and measured and true vertice	al depths for all markers and zones pertinent to this work.)*	
2-22-95	RTH W/TBG & CIBP: C	IBP SET AT 5612'; CIRC HOLE WITH 9.0	PPG MUD; PRESS
. 2 22 33		00 PSI; HELD 15 MINS. REL PRESS; PMP	
	CAP CIBP; POOH W/TE		
		· •	C CMM EDOM 32901
2-23-95	SHOT 5-1/2" CSG AT	3108', PIPE NOT FREE. SPOTTED 50 SXS TAGGED AT 2875' AS REQUESTED BY GENE	DINT WITH RIM
2-24-95		STILL AT 2875'. POH WITH TBG. NU I	
		ED 46 JTS 5-1/2". CUT CSG AT 1922'.	
4.		G CALULATED TOC AT 1850'. SPOT CMT 1	
	CMT CALCULATED TOC	AT 510'. PULLED UP TO 50', PMPED 15 :	SXS CMT TO SURFACE.
2 22 25	tier nen ov gagtve tr	ATE AND MARKER. WELL P & A 2-27-95	0 -1
2-27-95	WELLDED ON CASING PI	MIE AND PARKER. WELL F & A 2-21-95	Post ID-2 4-21-95
			4-21-95
			YXA
	·		/ * //
14. I hereby certify the	at the foregoing is true and correct		
Signed	Te Wisn	Tide REGULATORY ASST.	Date 3-27-95
•	deral or State office use)	Data-Lana -	
Approved by	Orig. Signed by Adam Salameh	Tide Petroleum Engineer	Date 4/3/95
Conditions of appr	roval, if any:		

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Date: 7/18/2003 Time: 12:49 PM

PI/Dwights PLUS on CD Well Summary Report

											•			
					[nformati	ion								
State				EW ME	EXICO				Final St		:	OIL		
County				DDY						tal Depth	:	5850		
Field					DRAW				_	al Depth	:			
Operator	Name				VEST RO				True Ve	ertical Dep	th :			
Lease Na			: C	HINA C	ROVE F	EDERAI	•							
Well Nur	mber		: 1						Spud Da		:		7, 1993	
API Nun			: 3	0015276	780000				Comp I	Date	:	NOV:	23, 1993	
Regulator	•		:											
Init Lahe				VF					Hole Di		:	VERT		
Final Lah		3	: D	Ю						ce Elevati		3060	KB	
Permit N			:			_				Elevation	:	3052		
Geologic		е			N BASIN				KB Elev	vation	:	3060		
Formatio				53DLW	R		WARE							
Oldest A				53					ALUPL	AN				
Producin	_	tion		53DLW	R	DELA	WARE							
Township	p		: 2						Section		:		SEC	
Range			: 2						Spot		:	NW N	W	
Base Me	ridian		: N	IEW ME	EXICO									
			Δ	ddition	al Locatio	on Infor	nation		_					
Footage 1	Location		:		NL 660			F22 9	FCTIO	N		_		
Latitude	Location			2.07712		IWL	ONGIC		Latitude					
Longitud	ما			2.07712 103.9434						de (Bot)				
Lat./Long		•		'S	+500				Longnu	de (Boi)	•			
Lacation	_								Remark					
Location	Namany	Æ		ype OCATIO	ONI					SE MALA	CA NIM			
			L	OCATI	ON				12 1/11 5	DE MALA	GA, INIVI			
			I	nitital P	otential T	Tests								
	Top		Base		Top	Base				Oil	Prod		Test	
Test	Form		Form		Depth	Depth	Chol	ke	GOR	Grav	Method		Method	l
001	453DL	WR	453DL	WR	5645	5718			1272	36	PERF		PUMPI	NG
			IP Vo	lume							•			
		Oil			Con	d			Gas		W	r		
Test	Amoun	t Unit	t Desc	Amou	ınt Unit	Desc	Amo	unt	Unit 1	Desc A	Amount Un	it De	sc	
001	22	BPI)					28	MCFD		151 BE	BL		
			IP Pro	essure							•			
Test	FTF	• ;	SITP	FCP	SIC	P								
001											;			
				reatmen										
Test	Top	Base			Amount	T/P	PSI	Inj	Туре	Nbr	Agent	Add		
001	5645	5718	3000	GAL					ACII)				
001	5645	5718	30000	GAL	92000	LB			FRA	C	SAND			
			IP Per	rforation	1						•			
Test	Top	Base	Туре	Me	thod	Top For	rm	Base	Form	Status	Count	. D	ensity]	Per
001	5645	5718		PEI	RF	453DL	WR	4531	DLWR	Α	57		•	
			107											
•			r	'ormatio	ns			-	*****			_		
E		NT						To	-	Top	Base	Base	0	
Form Co		rm Nan		T 4 TT 4	DD 1341			Dep		TVD	Depth	TVD	Source	Lithology
453DLLI			IME /DE	LAWA	KE LM/			320					LOG	
453DLW		ELAWA		N T				326					LOG	
453CRC			CANYO	N				410)1				LOG	
454SALT		LT									3040		LOG	

Date: 7/18/2003 Time: 12:49 PM

PI/Dwights PLUS on CD Well Summary Report

		Log Data		Log	Max
Run No	Log Type	Тор	Base	MD	Temp
01	LLD	F			•
01	MF				
01	DNC				
01	NEC				
01	GR				
01	CB				
01	CCL				
		Casing Da	ta		
Siz	e Base Depth	Cement	Unit		
13 3/8 I	N 610	400	SACK		
8 5/8 I	N 3230	1705	SACK		
5 1/2 I	N 5850	600	SACK		
		Tubing Da	ıta		
Size	Base Depth	Mixed Stri	ng		
2 7/8 IN	5627		_		

Dwights Energydata Narrative

Accumulated through 1997

IP: (Getty 5645-5718) P 22 BOPD grav 36.0; 28 MCFGPD; 151 BWPD

Perfs: 5645-5718 (Getty

w/57 holes total - acid w/3000 gal 7 1/2% NEFe - frac w/30,000 gal Perfs:

92,000# sd Perfs: None Cores:

T4568940 Dwights number:

Form HOVATI	E &		.=			ATT	T	N DUPLIC	***		-	M APPROVED
CONFIDE		UN	ITED	STA	TES					n-		NO. 1004-0137 February 28, 1995
	DEPAR	IME	NI OI	- IM	F IN	aver D trela) D	LGAS COMPATA	ACHE BILLE	5. 1.	KASE DESIG	UNATION AND BERIAL NO.
											M 542	290
WELL CO	MPLETION	OR	RECON	APLET	ION I	REPORT	1 Ah	ID LO	G*		N/A	
1a. TYPE OF WEI	wi	X	WELL.] ,	PAY	Other.			1, yes	7. 1	HIT ACREE	MENT PANE
L TYPE OF COM		кг- []	PACK [7 P17	y.						N/A	LEASE NAME, WELL NO.
2. NAME OF OPERA	TOR EN		BACK C	J RK	·VR	Other	7			<u>-</u>		shy Draw "A" 35
Southwest	Royalties	s, Inc	•				1			9. 7	M WELL NO	Federal #3
	· ·					(915)				-	30- <u>015</u> -	-27502 POOL, OR WILDCAT
P.O. Box	11390, Mi	dland	Texa:	s /9	102 e with an	(915) y State req	686	-9927_ •(•)•				- Delaware
At surface 19	980' FSL &	660'	FEL							11.	BEC. T., B.,	M., OR BLOCK AND BURYST
At top prod. in	terval reported b	elow A	s abov	e								5 T_25_C D 20 '
At total depth	As above										sec. J.	5, T-25-S, R-29-
				14. PE	BHIT NO.		DATE	ISSUED			SO TERUOR	13. STATE
15. DATE SPUDDED	16. DATE T.D.	PACKED !	17 0477	COME	N/A	a grad \		6-25-9			Eddy	New Mexico
7-1-93	7-13-9	j		8-1-9		,,,,,,	18. ELE	•	3026		ETC.)-	30271
TOTAL DEPTH, MD	,	UG, BACK T			<u> </u>	TIPLE COM	PL.	23. INT	ERVALE LLED ST	BOT	ART TOOLS	
	& MD 574				N/	/A			->		- 5772	25. WAS DIRECTIONAL
24. PRODUCING INTE					_	ED AND TYL	,,-					SUBVEY MADE
5638' - 5	5675' Get	ty Sa	nd (De	lawar	e)							No
26. TTPE BLECTRIC								•			27	7. WAS WELL CORED
DLL/MLL 8	CDL/CNL/C	GR				SL/CCL ort all etri				ja.	<u></u>	No
CASING SIZE/GRADE	WEIGHT, LB.	/27. 1	EPTH BET			I.E 8122	1		EMENT. C	EMENTING	RECORD '	AMOUNT PULLED
13-3/8" H-40		#	621	ŧ	17-	-1/2"	С	irc to	sur	face	- £00°.s	sx N/A
8-5/8" J-5!			322		11"						350	
5-1/2" K-55	15.5	"	577	2'	7-	-7/8"		/ DV @				stages N/A
29 .		LINER I	RECORD				, , , , , , , , , , , , , , , , , , ,	30.	720		G RECORI	D
8128	TOP (MD)	BOTTOM	(MD)	BACKS CI	EMENT*	SCREEN	(MD)	8122			SET (MD)	
N/A				·				2-7/	<u>8"</u> -	50	5831	N/A
31. PERFORATION BEG	OLD (Interval, s	ee and n	imber)		<u>'</u>	82.	AC	ID. SHOT	. FRAC	TURE.	EMENT 8	QUEEZE ETC.
5638' -	56551					DEPTH			· 			OF MATERIAL USED
5658' -		70 .5'	' hole:	5			- 50					NEFE
						3638	- 50	5/3	. عد	000 3	gal III	<u>iid + 105.000#</u> sd
33.º DATE FIRST PRODUCT	ION PROD	CTION M	THOD (FI	owing. e		OUCTION	re and f	was of au	m o i		WILL ST	ATUR (Producing or
8-1-93			Pump	_		/2" x					ehut-in	
DATE OF THET	MOURS TESTED	CRO	E 8122	PROD'I		011-831		GAR-H	CF.	WAT	BR	GAS-OIL BATIO
8-2-93	24		I/A	011	>	193	-MCF.	<u> </u> 3:	3 WATER	<u> </u>	200	170
N/A	N/A		OUR BATE		193		- acr . 33	. 1	- A15K	200	51	36.0
34. DISPOSITION OF 4	AB (Bold, word for	fuel, ven	ied, elc.)		175	<u>'</u>		1			WITNESSE	
Used for	fuel & ve	nted	 -							<u> </u>	Al Per	ry
		cli nat	ion e	ITUAU	Cacc	d holo	1000					
Open hol 36. 1 bereby certury	that the foregot	by and at	tached inf	ormation	ie compl	lete and co	rrect at	determin	ed from	all ava	ilatie reco	rda
SIGNED	l'und y	talica		711	P1.32	Regul	atory	Agent	:		DATE	8-3-93

*(See Instructions and Spaces for Additional Data on Revene Side)

Date: 7/18/2003 Time: 12:49 PM

PI/Dwights PLUS on CD Well Summary Report

Run No 01 01 01	Log Type CB LLD NE	Тор	Base	Log MD	Max Temp
		Casing Da	ta		
Siz	e Base Depth	Cement	Unit		
13 3/8 IN	1 605	650	SACK		
8 5/8 IN	J 3185	1050	SACK		
5 1/2 IN	J 5741	600	SACK		

Dwights Energydata Narrative

Accumulated through 1997

```
IP:
      PROD TEST (Delaware 5567-5637 04/17/94) P 19 BOPD; no gas; 279 BWPD
IP:
      PROD TEST (Delaware 5567-5637 04/26/94) P 17 BOPD; no gas; 210 BWPD
IP:
      PROD TEST (Delaware 5567-5637 04/27/94) P 17 BOPD; no gas; 230 BWPD
IP:
      PROD TEST (Delaware 5567-5637 04/28/94) P 17 BOPD; no gas; 215 BWPD
IP:
      PROD TEST (Delaware 5567-5637 04/29/94) P 17 BOPD; no gas; 200 BWPD
IP:
      PROD TEST (Delaware 5567-5637 04/30/94) P 17 BOPD grav 36.0; no gas;
IP:
      187 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/01/94) P 17 BOPD; no gas; 202 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/02/94) P 17 BOPD; 1 MCFGPD; 195 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/03/94) P 17 BOPD; 1 MCFGPD; 202 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/04/94) P 14 BOPD; 1 MCFGPD; 192 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/05/94) P 14 BOPD; 1 MCFGPD; 198 BWPD
IP:
      PROD TEST (Delaware 5567-5637 04/18/94) P 22 BOPD; no gas; 244 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/06/94) P 14 BOPD; 1 MCFGPD; 192 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/07/94) P 14 BOPD; 1 MCFGPD; 199 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/08/94) P 14 BOPD; 1 MCFGPD; 200 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/09/94) P 14 BOPD; 1 MCFGPD; 199 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/10/94) P 14 BOPD; 3 MCFGPD; 190 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/11/94) P 6 BOPD; 1 MCFGPD; 66 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/12/94) P 14 BOPD; 16 MCFGPD; 190 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/13/94) P 14 BOPD; 9 MCFGPD; 135 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/14/94) P 14 BOPD; 19 MCFGPD; 100 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/15/94) P 14 BOPD; 21 MCFGPD; 130 BWPD
      PROD TEST (Delaware 5567-5637 04/19/94) P 13 BOPD; no gas; 230 BWPD
IP:
IP:
      PROD TEST (Delaware 5567-5637 05/16/94) P 14 BOPD; 21 MCFGPD; 148 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/17/94) P 14 BOPD; 21 MCFGPD; 150 BWPD
      PROD TEST (Delaware 5567-5637 05/18/94) P 14 BOPD; 25 MCFGPD; 130 BWPD
TP:
IP:
      PROD TEST (Delaware 5567-5637 05/19/94) P 14 BOPD; 25 IMCFGPD; 130 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/20/94) P 14 BOPD; 25 MCFGPD; 135 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/21/94) P 14 BOPD; 20 MCFGPD; 125 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/22/94) P 14 BOPD; 21 MCFGPD; 150 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/23/94) P 14 BOPD; 21 MCFGPD; 130 BWPD
IP:
      PROD TEST (Delaware 5567-5637 05/24/94) P 14 BOPD; 21 MCFGPD; 145 BWPD
      PROD TEST (Williamson/Delaware 5271-5637 05/29/94) P 30 BOPD; 17
IP:
IP:
      MCFGPD; 214 BWPD
IP:
      PROD TEST (Delaware 5567-5637 04/20/94) 18 hr test: -- P 5 BO; no gas;
IP:
      105 BW
IP:
      PROD TEST (Williamson/Delaware 5271-5637 05/30/94) P 165 BOPD; 163
```

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Dwights Energydata Narrative

- IP: MCFGPD: 151 BWPD
- PROD TEST (Williamson/Delaware 5271-5637 05/31/94) P 141 BOPD; 117 IP:
- MCFGPD; 174 BWPD IP:
- IP: PROD TEST (Williamson/Delaware 5271-5637 06/01/94) P 80 BOPD; 70
- IP: MCFGPD; 89 BWPD
- PROD TEST (Williamson/Delaware 5271-5637 06/02/94) P 64 BOPD; 110 IP:
- IP: MCFGPD: 130 BWPD
- IP: PROD TEST (Williamson/Delaware 5271-5637 06/03/94) P 105 BOPD; 83
- MCFGPD: 119 BWPD IP:
- PROD TEST (Williamson/Delaware 5271-5637 06/04/94) P 102 BOPD; 102 IP:
- IP: MCFGPD; 138 BWPD
- IP: PROD TEST (Williamson/Delaware 5271-5637 06/05/94) P 91 BOPD; 109
- IP: MCFGPD: 157 BWPD
- PROD TEST (Williamson/Delaware 5271-5637 06/06/94) P 75 BOPD; 108 IP:
- IP: MCFGPD; 150 BWPD
- IP: PROD TEST (Williamson/Delaware 5271-5637 06/07/94) P 55 BOPD; 109
- IP: MCFGPD; 130 BWPD
- IP: PROD TEST (Williamson/Delaware 5271-5637 06/08/94) 18 hr test: -- 28
- IP: BO; 42 MCFG; 69 BW
- IP: PROD TEST (Delaware 5567-5637 04/21/94) 18 hr test: -- P 13 BO; no gas;
- IP: 177 BW
- IP: PROD TEST (Williamson/Delaware 5271-5637 06/09/94) P 63 BOPD; 82
- IP: MCFGPD; 184 BWPD
- IP: PROD TEST (Williamson/Delaware 5271-5637 06/10/94) P 72 BOPD; 58
- IP: MCFGPD; 169 BWPD
- IP: PROD TEST (Williamson/Delaware 5271-5637 06/11/94) P 75 BOPD; 58
- IP: MCFGPD; 92 BWPD
- IP: PROD TEST (Williamson/Delaware 5271-5637 06/12/94) P 66 BOPD; 61
- IP: MCFGPD; 175 BWPD
- IP: PROD TEST (Williamson/Delaware 5271-5637 06/13/94) P 69 BOPD; 66
- IP: MCFGPD; 127 BWPD
- IP: PROD TEST (Williamson/Delaware 5271-5637 06/14/94) P 69 BOPD; 60
- IP: MCFGPD: 155 BWPD
- IP: PROD TEST (Williamson/Delaware 5271-5637 06/15/94) P 69 BOPD; 61
- IP: MCFGPD; 149 BWPD
- IP: PROD TEST (Williamson/Delaware 5271-5637 06/16/94) P 58 BOPD; 55
- IP: MCFGPD; 169 BWPD
- IP: PROD TEST (Williamson/Delaware 5271-5637 06/17/94) P 63 BOPD; 74
- IP: MCFGPD; 160 BWPD
- IP: PROD TEST (Williamson/Delaware 5271-5637 06/18/94) P 61 BOPD; 60
- IP: MCFGPD; 160 BWPD
- IP: PROD TEST (Delaware 5567-5637 04/22/94) P 13 BOPD; no gas; 215 BWPD
- IP: (Williamson/Delaware 5271-5637) P 61 BOPD; 60 MCFGPD; 170 BWPD
- IP: PROD TEST (Delaware 5567-5637 04/23/94) P 19 BOPD; no gas; 230 BWPD
- IP: PROD TEST (Delaware 5567-5637 04/24/94) P 19 BOPD; no gas; 202 BWPD
- IP: PROD TEST (Delaware 5567-5637 04/25/94) P 19 BOPD; no gas; 215 BWPD
- Perfs: 5567-5637 (Delaware
- w/1 JSPF 21 holes total @ 5567, 5573, 5577, 5580, 5585, 5591, 5595, Perfs:
- Perfs: 5599, 5601, 5603, 5607, 5613, 5618, 5620, 5622, 5626, 5628, 5630,
- Perfs: 5632, 5635, 5637 - frac w/39000 gal Viking I-30 gel 104000# 16/30
- Perfs: Ottawa sd 24000# 16/30 resin coated sd

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Dwights Energydata Narrative

Perfs: 5271-5293 (Williamson

Perfs: w/1 JSPF 18 holes total @ 5271-5281, 5287-5293 - acid w/1750 gal 7
Perfs: 1/2% NEFe 25 ball slrs - frac w/28600 gal Viking I30 gel 64000# 16/30

Perfs: sd 16000# 16/30 Super LC mesh sd

Cores: None

Dwights number: T4596530

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

State of New Mexico Energy, Minerals and Natural Resources Department

Form C	105
Revised 2	l-1 -8 9

DISTRICT	1	NR 4 00240	OIL	CONS	ERVA			SIC	N "	ELL API NO	O O15 27	7300	*
	980, Hobbs,	NM 88240	_		P.O. Box			المد	H	5. Indicate Ty		333	
P.O. Drawe	_II er DD, Artesi	a, NM 88210	2	Santa Fe,	, New Mex						STA	TE X	FEE
DISTRICT		NR4 02410						ζĽ.	. •	S. State Oil &).	
TOW KIN B		ztec, NM 87410			T(0) DC	SOST	11/0 / 0			<i>////////</i>	H 2460	7777	
la. Type of		OMPLETION (OR REC	COMPLE	TION REP	ORI	AND LO	Q.		. Lease Name			
Oi Oi	L WELL X	GAS WELL		DRY 🗌	OTHER					. Lease Nam	or one Agre	emen N	anic
	Completion:									P	og;o 36 S	State	
WELL [X WORK OVER	DEEPEN	FLUG BACK		RESVR OT	HER _							
2. Name o	-									B. Well No.	· <u> </u>		
Sout	hwest 1	Royalties, 1	nc.). Popl name/	2		
1	Address of Operator (915) 686-9927 P.O. Box 11390, Midland, Texas 79702 (915) 684-6381									1.Bauch	2. Drow	ノ	
4. Well Lo	cation	1390, MIGIA	1110, 1	exas /	9702	913)	004-0	201		· · · · ·	- Buar cu	Dela	iwate
Uı	nit Letter _	<u>M</u> : <u>330</u>	Feet I	From The	Sou	<u>th</u>	Line :	nd _	330	Feet Fr	on The	Wes	t Line
	ction .	36	Town	atria.	25-S	Penn	2	9-E	NTA.	PM	Edd		County
10. Date Sp.		11. Date T.D. Reach			empl. (Ready to					RKB, RT, GI			
		9-5-93	_		9-16-93					3034.9'	,,,,,,		035'
15. Total De	pth	16. Plug Bac			17. If Multiple Many Zone	Compl.	How	18.		Rotary Tools	10		
5900		5855	; 1			n	/a	<u></u>	лиет ву	X			
		, of this completion -	-			(=	_			. 2	0. Was Direct		vey Made
	- 572			G	etty Zon	ie (D	<u>elawar</u>	e)				No	
		her Logs Run DLL/MI	/GR	CB	i./GR/CCI					22. Was We	NO 11 (*Coteca		
23.	ON ONL	<u> </u>			ECORD (rt all sec	inor	cet in u				
CASI	NG SIZE	WEIGHT LE			H SET		LE SIZE			ENTING RI	CORD	AMO	OUNT PULLED
13-3		54.50 #		61			-1/2"			circ t		1 200	0
8-5	/8"	24.0 & 32		32		11'	11		1350 s	0 sx			
5-1	/2"	15.5 #		59	00'	7-	7/8"		2 stag	e - DV	ool @ 4	992'	0
										age - 200		 	
24.		<u></u>	I DIE	R RECO	<u> </u>			1		age - 46			
SZ	7E	TOP		TOM	SACKS CEN	ÆNT	SCRE	EN	<i>D</i> .	TU]	DEPTH S		DACTOR OTT
n/a	 -				SHORE CE	1	34.34			718	5720		PACKER SET
26. Perfor	ration reco	ord (interval, size	, and nu	ımber)						RACTURE	CEMENT	r, squ	EEZE, ETC.
							DEPTH				II. AND KIN		
5680	' - 571	10' .5" h	oles	61 h	oles		5680	- 5	/10'		als. 7-1		
3000	3		0105	02 11	0100)) # sd.	gals	. gel +
28.					PRODU	CTIO	N			10,00	77 30.		
Date First Pr	oduction	I	roduction		lowing, gas lift			d type	рытр)		Well Statu	s (Prod.	or Skut-in)
9-16	<u>-93</u>				Pump		·277					oduc i	
Date of Test	0.0	Hours Tested	j	oke Size	Prod'n For Test Period		Dil - Bbl .	,	Gas - MC	F W	aler - Bbi.		Gas - Oil Ratio
9-21 Flow Tubing		24 Casing Pressure		n/a culated 24-	Oil - Bbl.		30 Gas - N	ACE	2 Wat	er - BbL	Oil Gravit	V - API	66 (Corr.)
n/a		50	Ha	ur Rate	30		1	2	1	154		36	(55.7.7)
	on of Gas (Se	old, used for fuel, ver	sted, etc.)								nessed By		
		used for fu									Al Perr	v	
30. List Attac	hments		_										
Open	hole 1	ogs, Inclin	ation	survey	y, Cased	hole	logs.	ata 4c	C-104	fam banaile	lan and hali	<u></u>	
os i neredy	certyy that	ine injormation s	with on	vun sues	uj inis jurm	u vue (wa compl	EIE IO	ine pesi c	y my knowiei	ize ana vene	J	
ο.	- //	111.1.1	1		Printed	n F	D:+=1:	_	7**.*	Regular	aru Aca	n t .	9-24-93
Signatu	re <u>5 3 / / </u>	6 1 2.11	- () -		Marne All	<u>н в.</u>	VICUI	e	Title	vekniar	DIV Age	IL Date	, , , , , , , ,

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeaster	n New Mexico	Northwestern New Mexico					
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"				
T. Salt 820	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"				
B. Salt 2920	T. Atoka	T. Pictured Cliffs	T. Penn. "D"				
			T. Leadville				
T. 7 Rivers			T. Madison				
	T. Silurian	T. Point Lookout	T. Elbert				
			T. McCracken				
T. San Andres	T. Simoson	T. Gallup	T. Ignacio Otzte				
	T. McKee	Base Greenhorn	T. Granite				
T. Paddock		T. Dakota	T				
T. Blinebry		T. Morrison	Т				
T. Tubb		T. Todilto	T				
			т.				
T. Abo		T. Wingate					
T. Wolfcamp	т.		T				
T. Penn	_ T		т				
T. Cisco (Bough C)	T	_	T				
	OIL OR GAS	SANDS OR ZONES					
No. 1, from. 5670'	to. 5726 '	No. 3, from	to				
No. 2, from. 5409'	to5/26' to5454'	No. 4, from	. to				
•		WATER SANDS					
Include data on rate of water inf	low and elevation to which water n	ose in hole.					
	to		***************************************				
	to						
	to						
	THOLOGY RECORD						

From	То	Thickness in Feet	Lithology		From	То	Thickness in Feet	Lithology
0	820	820'	Sand - Anhydrite] ;		
820	3215	2395'	Anhydrite - Salt Evaporit	þ	Sect	ion		
3215	5900	2685'	Sand / Shale					
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1								
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Submit 3 Copies to Appropriate District Office

CONDITIONS OF APPROVAL, IF ANY:

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-103 Revised 1-1-89

n C-103 sed 1-1-89 C/5F

District Office		-	(0.0
DISTRICT I P.O. Box 1980, Hobbs NM 88241-1980	OIL CONSERVATION P.O. Box 208		WELL API NO.
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Mexico		30 015 27399 5. Indicate Type of Lease
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410			STATE X FEE 6. State Oil & Gas Lease No.
	ICES AND REPORTS ON WELL	-	LH2460
(DO NOT USE THIS FORM FOR PR DIFFERENT RESE	OPOSALS TO DRILL OR TO DEEPEN O RVOIR. USE "APPLICATION FOR PERM 101) FOR SUCH PROPOSALS.)	R PLUG BACK TO A	7. Lease Name or Unit Agreement Name POGO 36 STATE
1. Type of Well: OIL GAS WELL X WELL	OTHER		
2. Name of Operator SOUTHWEST ROYA	LTIES, INC.		8. Well No.
	; MIDLAND, TX 79702	***************************************	9. Pool name or Wildcat North Brushy Draw Delaware
4. Well Location Unit Letter M: 330	Feet From The South	Line and3.	30 Feet From The West Line
Section 36	Township 25S Rar		NMPM Eddy County
	10. Elevation (Show whethe	r DF, RKB, RT, GR, etc	c.)
11. Check A ₁	ppropriate Box to Indicate I	Nature of Notice,	Report, or Other Data
NOTICE OF I	NTENTION TO:	SUE	SSEQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLING	
PULL OR ALTER CASING		CASING TEST AND CE	
OTHER:		OTHER:	
12. Describe Proposed or Completed Opwork) SEE RULE 1103.	erations (Clearly state all pertinent deta	tils, and give pertinent da	ites, including estimated date of starting any proposed $\int ast + D-2$
11-13-96 - PLUG #2 11-13-96 - PLUG #3	- SET 5-1/2" CIBP @ 3212' 8 - SPOT 50 SXS CMT FROM 2350 - SPOT 40 SXS CMT FROM 667' - SPOT 15 SXS CMT FROM 50'-)'-2000'; WOC & TA '-567'; WOC & TAG.	
INSTALL DRY	HOLE MARKER; P&A COMPLETE 1	11-13-96.	
5-1/2" CSG CUT & P HOLE DISPLACED W/	PULLED FROM 2066'. MLF BETWEEN PLUGS 9.5 PPG BR	RINE W/ 25 PPB SAL	DEC 18 '96 _T GEL.
			/ SinCE
Λ		b	
I hereby certify that the information above is SIGNATURE	tiple and complete to the best of my knowledge		12-16-96 -Sierra WS DATE /2/16/96
TYPE OR PRINT NAME JIMMY BAGLEY	Reverly Hatfield	Regulatory Co	
(This space for State Use)			
APPROVED BY TOPO STOPP NO.	0 0	E Fold Right	page 1 - 1/ - 97

COMPANY	PROPERTY NAME			WELL NO.	
South West RoyalTies	Poga 36	State		2	
DATE LOCATION ULSTRY 7-17-96 M 36-25-7	3	FOOTAGE 3305/	/W/		
	POOL				
1. Set CIBP@3217 Écap u	135 of camers.		ر ساند چند در کار		
7 Circ. 9.0 ppg. colled mod for		13	E S		
3. Cut 5/2"@3150 t rock			Laber 1	Ti	oc 390'
Pull 51/2"casing.	<u> </u>		-		Į
4. Spet 60 sys. across st	<u> </u>			3	1-617 Ci
5. Spet SC sxs. 667-567		TX - 840			
6 Spet 25 sxs. From 50 7. Every PXA Mailur i c		BX 2970			
To OCD quidolines.	Pan Iscalien		Ta	Sign	3170
3	۴				
Notify OCD TO WITHESS	Tags.	Dolowere &		- S./"	3256
	<u> </u>	_ =			
		C18PW1? @ 3450		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L6Z-84
CASING RECORD:		-in place-		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	
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		14 place }		Pfs 546	0 - 5710 0 - 5710
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			ند سک	310	50° 665°

Date: 7/18/2003 Time: 12:49 PM

PI/Dwights PLUS on CD Well Summary Report

		General Inforn	nation		
State		NEW MEXICO		Final Status	: OIL
County	•	EDDY		Drill Total Depth	
Field	•	BRUSHY DRA	W NORTH	Log Total Depth	
Operator Nan				True Vertical De	oth ·
Lease Name		POGO '36' STA		Trac vortical Bo	
Well Number	•	2		Spud Date	: AUG 24, 1993
API Number	•	3001527399000	00	Comp Date	: SEP 21, 1993
Regulatory A	PT .	500152,555000		comp Dutt	. 1,21, 1,33
Init Lahee Cla		D		Hole Direction	: VERTICAL
Final Lahee C		DO		Reference Elevat	
Permit Numb		20		Ground Elevation	
Geologic Pro		PERMIAN BAS	SIN	KB Elevation	: 3043
Formation at TD : 453DLWR		DELAWARI			
Oldest Age P		453		UADALUPIAN	•
Producing Fo		453DLWR	DELAWARI		
Township		25 S	222111120	Section	: 36 SEC
Range	•	29 E		Spot	: SW SW
Base Meridia	n ·	NEW MEXICO)	Брог	. 50 50
Base Menaia		NEW MEMOC			
		Additional Loc	ation Information		
Footage Loca	tion :	330 FSL 33	30 FWL CONGR	ESS SECTION	
Latitude	:	32.0798400		Latitude (Bot)	:
Longitude	:	-103.9446100		Longitude (Bot)	:
Lat./Long. Sc	urce :	TS			
Location Nar	rative :	Type		Remark	
		LOCATION		12 MI SE MALA	AGA, NM
		Initital Potenti	al Tests		
		minutal i ottini	ui i coto		
To	n Ras	e Tor	n Rase	Oil	Prod Test
To:				Oil ke GOR Gray	Prod Test Method Method
Test For	m For	m Depth	n Depth Cho	ke GOR Grav	Method Method
Test For	m For BDLWR 453	m Depth DLWR 5680	n Depth Cho		
Test For	m For BDLWR 453 IP	m Depth DLWR 5680 Volume	Depth Cho 5710	ke GOR Grav 66 36	Method Method PERF PUMPING
Test For 001 45:	m For BDLWR 453 IP Oil	m Depti DLWR 5680 Volume	n Depth Cho) 5710 Cond	ke GOR Grav 66 36 Gas	Method Method PERF PUMPING Wtr
Test For 001 455	m For BDLWR 453 IP Oil ount Unit D	m Depti DLWR 5680 Volume	Depth Cho 5710	ke GOR Grav 66 36 Gas unt Unit Desc	Method Method PERF PUMPING Wtr Amount Unit Desc
Test For 001 45:	m For BDLWR 453 IP Oil ount Unit D 30 BPD	m Depti DLWR 5680 Volume (esc Amount U	n Depth Cho) 5710 Cond	ke GOR Grav 66 36 Gas	Method Method PERF PUMPING Wtr
Test For 001 455 Test Am 001	m For BDLWR 453 IP Oil ount Unit D 30 BPD	m Depth DLWR 5680 Volume Cesc Amount U	n Depth Cho) 5710 Cond Jnit Desc Amo	ke GOR Grav 66 36 Gas unt Unit Desc	Method Method PERF PUMPING Wtr Amount Unit Desc
Test For O01 455 Test Am O01 Test	m For BDLWR 453 IP Oil ount Unit D 30 BPD	m Depth DLWR 5680 Volume Cesc Amount U	n Depth Cho) 5710 Cond	ke GOR Grav 66 36 Gas unt Unit Desc	Method Method PERF PUMPING Wtr Amount Unit Desc
Test For 001 455 Test Am 001	m For BDLWR 453 IP Oil ount Unit D 30 BPD IP FTP SITP	m Depth DLWR 5680 Volume esc Amount U Pressure FCP	n Depth Cho) 5710 Cond Jnit Desc Amo	ke GOR Grav 66 36 Gas unt Unit Desc	Method Method PERF PUMPING Wtr Amount Unit Desc
Test Am 001 Test 001	m For BDLWR 453 IP Oil ount Unit D 30 BPD IP FTP SITP	m Depth DLWR 5680 Volume cesc Amount U Pressure FCP	n Depth Cho 0 5710 Cond Jnit Desc Amo	ke GOR Grav 66 36 Gas unt Unit Desc 2 MCFD	Method Method PERF PUMPING Wtr Amount Unit Desc 154 BBL
Test For O01 45: Test Am O01 Test O01 Test Test To	m For SDLWR 453 Oil Ount Unit DO STATE SITP FTP SITP Base Volt	m Depth DLWR 5680 Volume esc Amount U Pressure FCP P Treatment ume Meas Amou	n Depth Cho 0 5710 Cond Jnit Desc Amo	ke GOR Grav 66 36 Gas unt Unit Desc 2 MCFD	Method Method PERF PUMPING Wtr Amount Unit Desc
Test For O01 45: Test Am O01 Test O01 Test To O01 568	m For BDLWR 453 Oil Ount Unit DO BPD IP FTP SITP Base Volume 10 10 10 10 10 10 10 10 10 10 10 10 10	m Depth DLWR 5680 Volume esc Amount U Pressure FCP P Treatment ame Meas Amou	n Depth Cho 5710 Cond Jnit Desc Amo SICP ant T/P PSI	ke GOR Grav 66 36 Gas unt Unit Desc 2 MCFD Inj Type Nb	Method Method PERF PUMPING Wtr Amount Unit Desc 154 BBL The state of the state of
Test For O01 Test Am O01 Test O01 Test To	m For BDLWR 453	m Depth DLWR 5680 Volume esc Amount U Pressure FCP P Treatment Ime Meas Amou 00 GAL 00 GAL 7000	n Depth Cho 5710 Cond Juit Desc Amo SICP	ke GOR Grav 66 36 Gas unt Unit Desc 2 MCFD	Method Method PERF PUMPING Wtr Amount Unit Desc 154 BBL
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Test For Ool 45: Test Am Ool Test Ool 568 Test To Ool 568 Test To Ool 568	m For SDLWR 453 Oil Ount Unit Do 30 BPD FTP SITP P Base Volt 0 5710 300 0 5710 2250 p Base Ty 0 5710	m Depth DLWR 5680 Volume 6 esc Amount U Pressure FCP 5 P Treatment 1 100 GAL 7000 Perforation 1 100 PERF Log Data	n Depth Cho 5710 Cond Jnit Desc Amo SICP Int T/P PSI 00 LB Top Form 453DLWR Log	ke GOR Grav 66 36 Gas unt Unit Desc 2 MCFD Inj Type Nb: ACID FRAC Base Form Statu: 453DLWR A Max	Method Method PERF PUMPING Wtr Amount Unit Desc 154 BBL Agent Add SAND GELA Count Density Per
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Date: 7/18/2003 Time: 12:49 PM

PI/Dwights PLUS on CD Well Summary Report

	CB CCL			
		Casing Da	ta	***************************************
Size	Base Depth	Cement	Unit	
13 3/8 IN	617	600	SACK	
8 5/8 IN	3256	1350	SACK	
5 1/2 IN	5900	665	SACK	

Dwights Energydata Narrative

Accumulated through 1997

IP: (Delaware 5680-5710) P 30 BOPD grav 36; 2 MCFGPD; 154 BWPD

5680-5710 (Delaware Perfs:

w/61 holes total - acid w/3000 gal 7 1/2% NEFe - frac w/22,500 gal gel Perfs:

)

Perfs: 70,000# sd

None Cores:

T4534000 Dwights number:

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC FIELD:unknown WELL NAME: State #1 LOCATION: Section 2, T26S, R29E STATE: NM COUNTY: EDDY SPUD DATE: 6/14/60 COMP DATE: 6/21/60 ELEVATION: GL=3049' API#: 30-015-03724 PREPARED BY: Karen Cottom 7/18/2003 **TUBULARS DEPTH** SIZE WEIGHT **GRADE** THREAD **HOLE SIZE** 0' - 768' 7 7/8" CASING: 26-40 J55 ST&C 11" CASING: 0' - 1,424' 8 5/8" 32 J-55 LT&C 12 1/4" CASING: **TUBING:** 0" CURRENT PROPOSED 150' 20 sx plug @ 0' - 150' 625' 7 7/8" Casing @ 768', Cemented w/300 sxs. Cement to surface. 775' 20 sx plug @ 625' - 775' 3050 20 sx plug @3050' - 3200' 3200; TD @ 3359'

NEW MEXICO OIL CONSERVATION COMMISSION

JUN 2 3 1960

MISCELLANEOUS REPORTS ON WELLS

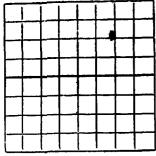
	Name of Company						Address Mid1.					
	n Brown Dri	lling Company		<u> </u>				md Say		Loan Bldg. T		
Lease St.	ete .	•	Well No.		Letter	Section 2	Township 26-1	t	Reng	e 29≈k		
Date Work Perfo 6-16-6		Pool	Let It				County E	ldy				
		<u> </u>	A REPORT				te block)					
Beginning	Drilling Operation	nas C	ssing Test a	nd Ceme	eat Job		Other (B.	rplain):		,		
Plugging		□ R	emedial Work	S								
	Shut off * Verbal	hut off, test, tested OK. permission partion with	granted (to Tos	a Bro	wn Dri	lling Co	mpany b	y phone	1		
Witnessed by	Clen Upton			Cool P	nisher		Company	Tom Bro	nen Dril			
		FILL IN BE			IAL W	ORK RI				ling Company		
D F Elev.	T D			GINAL Y	IAL W	ORK RI	PORTS ON	ILY				
	T D		ORIG	GINAL Y	IAL W	ORK RI	Producing	ILY		11ng Company ompletion Date		
			ORIG	GINAL Y	IAL W	ORK RI	Producing	LY Interval		ompletion Date		
D F Elev.	r val(s)		ORIG	GINAL 1	PIAL WELL E	ORK RI	Producing	LY Interval	Cc	ompletion Date		
D F Elev. Tubing Diameter Perforated Inter	r val(s)		PBT	GINAL N	Produci	ORK RI	Producing	LY Interval	Cc	ompletion Date		
D F Elev. Tubing Diameter Perforated Inter	r val(s)		PBT PBT	GINAL 1	Produci WOR!	ORK RIDATA ng Diame ng Forms (OVER	Producing	Interval Oil	Cc	ompletion Date		
D F Elev. Tubing Diameter Perforated Inter Open Hole Inter Test Before Workover	val(s) val Date of	Tubing Depth Oil Production	PBT PBT	D C C C C C C C C C C C C C C C C C C C	Produci WOR!	ORK RIDATA ng Diame ng Forms (OVER	Producing Producing ster	Interval Oil	Co String Dep	ompletion Date th Gas Well Potentia		
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D F Elev. Tubing Diameter Perforated Inter Open Hole Inter Test Before Workover After	val(s) val Date of Test	Tubing Depth Oil Production	PBT RESUL Gas M	D C C C C C C C C C C C C C C C C C C C	Produci WORI	ork RIDATA ng Diame ng Forms COVER Water F	Producing ter ation(s)	Interval Oil G Cubic f	Co String Dep O R eet/Bbl	ompletion Date th Gas Well Potentia		
D F Elev. Tubing Diameter Perforated Inter Open Hole Inter Test Before Workover After	val(s) val Date of Test OIL CONSERV	Tubing Depth Oil Production	PBT RESUL Gas M	D C C C C C C C C C C C C C C C C C C C	Produci WORI	ORK RIDATA Ing Diame Ing Forms (OVER Water Ing Entry Centification of the control of the centification of the	Producing Producing ster ation(s) Production PD	Interval Oil G Cubic f	Co String Dep OR eet/Bbl	Gas Well Potentia		

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103 (Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

	(2	Submit to appropr	iate Distri	ct Offi	ce as t	per Com	mission Rui	(e 1106)		
Name of Compa		0			Addres		00			
	rown Drilling		W-11 B1	177			Savings (moan B		
Lease	State	1	Well No.	Unit I	_	Section 2	Township 26-8		Rang	se 29 -E
Date Work Per		Pool	Okal	p			County			
			A REPORT	OF. /	Check	Inhertei -	tte block			
Recients	g Drilling Operation		sing Test an				Other (E	xplain!		
					, 00	,	— James (E			
Plugging	unt of work done, na		·		. د .	ules '	ine J			
		20 sack plug 20 sack plug 20 sack plug	- 775	, -	,050 625 0					
. :		Plugs were p	ramped do	tw nwo	lth 1().5 we	ight jel	l mud.	JUL ARTER	ED 1960 C. Crice
Witnessed by	Glen Upton		Position		10°					
 		lpush		OPY T	EPORTS ON		CTITIE	Company		
 		I IEE IN DEL			WELL D		UKIS UA	7 44 1		
D F Elev.	T D		PBTI				Producing		TC	ompletion Date
	049	3359					Dry Ho		6-20-60	
Tubing Diame	ter	Tubing Depth		1	Otl Strie	ng Diame	eter	Oil s	String Dep	oth .
Perforated Into	erval(s)									
Open Hole Inte	erval			<u> </u>	Produci	ng Forms	ation(s)			
		7/15.	RESUL	TS OF	WOR	OVEP				
	Date of	Oil Production		Product			Production	GC	O R	Gas Well Potential
Test	Test	BPD		CFPD			PD	Cubic fe		MCFPD
Before Workover										
After Workover		:								
	OIL CONSERVA	TION COMMISSION	4		to the	best of	fy that the in my knowleds	formation (given abov	re is true and complete
Approved by	11/11/11	resset			Name		· · · · · · · · · · · · · · · · · · ·		<u> </u>	
Title					Operator Position					
Date SEP 12 1000					Compa	лy	Tom Brown	Drill:	Ing Com	many
	JLF 14	· · · · ·			<u></u>			**************************************		



NEW MEXICO OIL CONSERVATION COMMISSION Sents Fe. New Mexico

WELL RECORD

30-015-03724

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

.Depth Cleaned Out.....

AREA 640 ACRES Tom Brown Drilling Company State Horth 660 Rast Well is 6601 ... If State Land the Oil and Gas Lease No. is.... Drilling Commenced 6-14-60 1969 Drilling was Completed 6-20-Tom Brown Brilling Company Name of Drilling Contractor...... Addres 820 Midland Savings & Loan Building - Midland, Taxes 3041 GL The information given is to be kept confidential until Elevation above sea level at Top of Tubing Head...... OIL SANDS OR SONES No. 1, from 3230 DECE 1 1980 No. 2, from..... ... No. 5, from. No. 3, from..... IMPORTANT WATER SANDS Include dats on rate of water inflow and elevation to which water rose in hole. CASING RECORD WEIGHT PER FOOT NEW OR KIND OF SHOE CUT AND PULLED FROM AMOUNT SIEE PURPOSE 786 Rankin 7-5/8 None MUDDING AND CEMENTING RECORD METHOD NO. SACES GRAVITY AMOUNT OF 11 " 7-5/8 786 250 Pump & Plug 9.6 RECORD OF PRODUCTION AND STIMULATION (Record the Process used, No. of Qts. or Gals. used, interval treated or shot.) Result of Production Stimulation.

NE IEXICO OIL CONSERVATION CO

SSICE | V E D Form G-101 Revised (12/1/55)

Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL

Notice must be given to the District Office of the Oil Conservation Commission and approval officing defore drilling or recompletion hegins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in QUINTUPLICATE. One copy will be returned following approval. See additional instructions in Rules and Regula-

tions of the		and. Texas	Land submit 6 Copies At		Turn of 1	3 copies of form c-loi .960
	, NEW MI	(Place) N COMMISSIO!			(Date)	-03724
You as	re hereby n	otified that it is o	our intention to commence t			
			(Compan	y or Operator)		17 , 77
			tate			
			North			
		ROM SECTION		cat Pool,	Edd	County
D	С	В А	If patented land the	and Gas Lease is No	***************************************	
E	F	G H	Rotary	ell with drilling equipment	*******************************	
				g bond is blanket b		•
L	K	J I	Drilling Contractor	Tom Brown Dril		7
M	N	O P	We intend to comple	te this well in the	elavara Sand	
We pa	opose to use	the following stri		oximate depth of PROGRAM them as indicated:		fcct.
	of Hole	Sise of Casts	1	New or Second Hand	Depth	Backs Cement
11"		8 5/8"	24#	Sec.Hand	250	125(will circulate)
6 3/4	j 17	4 1/2"	OD 9.5#	New	3400 (TD)	1.50
	TTONAL 1	INFORMATION	me advisable we will notify y (If recompletion give full	•	work.)	
Approved.	J	JN 9 1960	19	Sincerely yours,		
Except as	follows: OIL CO	INSERVATION OF	COMMISSION	Position Send Con Name F. W. Address 504 F1:	(Company or Operator	Affice F.

Copyright 2003. All rights reserved. Petroleum Information/Dwights LLC d/b/a IHS Energy Group.

Date: 7/18/2003 Time: 12:49 PM

PI/Dwights PLUS on CD Well Summary Report

General Information : D&A State **NEW MEXICO Final Status Drill Total Depth EDDY** 3348 County : Log Total Depth Field Operator Name **BROWN TOM INC** True Vertical Depth Lease Name **STATE** : Well Number Spud Date : JUN 14, 1960 1 30015037240000 Comp Date JUN 21, 1960 API Number Regulatory API Init Lahee Class WF **Hole Direction** VERTICAL Final Lahee Class WF Reference Elevation Permit Number Ground Elevation 3041 Geologic Province PERMIAN BASIN **KB** Elevation Formation at TD 000UNKWN UNKNOWN Oldest Age Pen 453 PERMIAN GUADALUPIAN : S Township 26 Section : 2 **SEC** Range 29 E Spot Base Meridian **NEW MEXICO Additional Location Information Footage Location** 660 FNL 660 FEL CONGRESS SECTION Latitude 32.0771200 Latitude (Bot) Longitude -103.9477100 Longitude (Bot) Lat./Long. Source TS **Formations** Top Top Base Base Form Code Form Name Depth **TVD** Depth TVD Source Lithology 453DLLM BLACK LIME /DELAWARE LM/ 3204 LOG 453DLWR **DELAWARE** 3236 LOG 454SALT **SALT** 3007 LOG **Core Data** Base Depth **Formation** Top Depth Recovered Show Type 3248 3298 50 FT **CONV** 3298 3348 50 FT **CONV** Log Data Log Max Run No Log Type Top Base MD Temp 01 ΑV 401 SPL

Casing Data

Size Base Depth Cement Unit 8 5/8 IN 775 300 SACK Copyright 2003. All rights reserved. Petroleum Information/Dwights LLC d/b/a IHS Energy Group.

Date: 7/18/2003 Time: 12:49 PM

PI/Dwights PLUS on CD Well Summary Report

State : NEW MEXICO Final Status

County : EDDY Drill Total Depth : WILDCAT Log Total Depth :

Operator Name : DEVON ENERGY PROD True Vertical Depth

Lease Name : TESUQUE 2 STATE

Well Number : 1 Spud Date : MAY 30, 2003

API Number : 30015327990000 Comp Date

Regulatory API :
Init Lahee Class : WO Hole Direction : VERTICAL

Final Lahee Class : Reference Elevation :

Permit Number : Ground Elevation :
Geologic Province : PERMIAN BASIN KB Elevation :

Formation at TD : KB Elevation

Oldest Age Pen :
Township : 26 S Section : 2 SEC

Range : 29 E Spot : C NE NW Base Meridian : NEW MEXICO

Footage Location : 660 FNL 1980 FWL CONGRESS SECTION
Latitude : 32.0770500 Latitude (Bot) :

Longitude : -103.9565800 Longitude (Bot) : Lat./Long. Source : TS

Location Narrative : Type Remark

SCALED_FOOT REGULATORY

IRREG_SECT N

DST_TOWN 17 MI SE LOVING, NM
DST_PRODUCER 2204 FT SW SOUTHWEST ROYALTIES #8 NORTH

BRUSHY DRAW A35, TD 5741, OIL WELL, BRUSHY

DRAW NORTH FLD (DELAWARE)



Devon Energy Corporation 20 North Broadway Oklahoma City, Oklahoma 73102-8260

July 23, 2003

Southwest Royalties, Inc. P. O. Box 11390 Midland, TX 79702

Gentlemen;

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Devon Energy Production Company, LP's Catclaw 2 State #1 located in Unit A, Sec 2 T26S R29E of Eddy County, New Mexico.

Should you have any questions, please feel free to contact me at (405)228-4301.

Sincerely,

James Blount

Operations Engineering Advisor

JB/kc

Enclosure



Devon Energy Corporation 20 North Broadway Oklahoma City, Oklahoma 73102-8260

July 18, 2003

VIA FAX - (505)885-1066

Carlsbad Current Argus 620 S. Main Carlsbad, NM 88220-6243

Gentlemen:

Devon Energy Production Company, LP desires to place a public notice in your newspaper for one day. This notice is enclosed. Please place this notice in your paper on Sunday, July 20, 2003 and forward a copy of it with your billing as soon as possible to:

Devon Energy Production Company, LP 20 North Broadway, Ste 1500 Oklahoma City, OK 73102

Attn: Jim Blount

Please give me a call when you receive this fax. If you have any questions, please contact me at 405-228-4301. Thanks you for your cooperation in this matter.

Sincerely,

James Blount

Operations Engineering Advisor

JB/kc

Enclosure

Attachment F

Legal Notice

Devon Energy Production Company, LP, 20 North Broadway, Ste 1500, Oklahoma City, OK 73102 has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for an injection well. The proposed well the Catclaw 2 State #1 located 710' FNL & 500 FEL of Unit A, Section 2, Township 26 South, Range 29 East of Eddy County, New Mexico, will be used for saltwater disposal. Disposal waters from the Delaware Sand will be re-injected into the Delaware Sand at a depth of 3207' – 4300' with a maximum pressure of 1000 psi and a maximum rate of 2,000 BWPD.

All interested parties opposing the aforementioned must file objections or requests for a hearing with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505-5472, within 15 days. Additional information can be obtained by contacting Jim Blount at (405)228-4301.

Devon Energy Corporation 20 North Broadway Oklahoma City, Oklahoma 73102-8260

September 9, 2003

New Mexico State Land Office P O Box 1148 Santa Fe, NM 87504-1148

Gentlemen;

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Devon Energy Production Company, LP's Catclaw 2 State #1 located in Unit A, Sec 2 T26S R29E of Eddy County, New Mexico.

Should you have any questions, please feel free to contact me at (405)228-4301.

Sincerely,

James Blount

Operations Engineering Advisor

JB/kc

Enclosure

7056	U.S. Postal S CERTIFIED (Domestic Mail O	N	IAI	L	a R		CEIPT Coverage Provided)		
	For delivery informa	ition	visit	our	webs	ite	at www.usps.com⊚		
3840	OFF	2000	C	COMMEN	A		. USE		
	Postage	\$							
נוסם	Certified Fee		,						
	Return Reciept Fee (Endorsement Required)						Postmark Here		
2030	Restricted Delivery Fee (Endorsement Required)								
	Total Postage & Fees	\$							
П	Sent To						 -		
7002	NEW MEXI	CO	ST	AΤ	E L	AN	D OFFICE		
,-	Street, Apt. No.; or PO Box No. P	B	xc.	11	48				
	City, State, ZIP+4 SAN	TA	FE	,	NM	8	7504-1148		
	PS Form 3800, June 200	2	100				See Reverse for Instructions		

Affidavit of Publication

State of New Mexico, County of Eddy, ss.
Dawn Higgins,
being first duly sworn, on oath says:
That she is Business Manager of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:
July 22 , 2003
, 2003
, <u>2003</u>
, <u>2003</u>
, 2003
, 2003
That the cost of publication is \$\frac{39.79}{20.79} and that payment thereof has been made and will be assessed as court costs. Subscribed and sworn to before me this Aday of Aday

Attachment F

Legal Notice

Devon Energy Production Company, LP, 20 North Broadway, Ste 1500, Oklahoma City, OK 73102 has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for an injection well. The proposed well the Catclaw 2 State #1 located 710 FNL & 500 FEL of Unit A, Section 2, Township 26 South, Range 29 East of Eddy County,

New Mexico, will be used for saltwater disposal Disposal waters from the Delaware Sand will be re-injected into the Delaware Sand at a depth of 3207'-4300' with a maximum pressure of 1000 psi and a maximum rate of 2,000 BWPD.

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