

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

*Amended*

Form C-103  
Revised August 1, 2011

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-045-23624
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Four Star Oil & Gas Company		6. State Oil & Gas Lease No.
3. Address of Operator ATTN: Permitting Specialist 332 Road 3100 Aztec, New Mexico 87410		7. Lease Name or Unit Agreement Name PL Davis
4. Well Location Unit Letter <u>D</u> : 1190 feet from the <u>N</u> line and 1170 feet from the <u>W</u> line Section 26 Township 26N Range 11W NMPM County San Juan		8. Well Number #1E
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6325' GL		9. OGRID Number 131994
		10. Pool name or Wildcat <i>Gallegos</i> Armenta Gallup/Basin Dakota

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☒

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐  
**ROUND SEP 24 '14**  
**OIL CONS. DIV.**  
**DIST. 3**

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Four Star Oil & Gas Company respectfully requests approval for the single completion on the PL Davis 1E be to be down hole commingled with the Gallegos Gallup permit as approved by NMAC rule 19.15.12.E., pre-approved pools. The pre-approved pools in question are the Basin Dakota (71599) and the ~~Armenta~~ *Gallegos* Gallup (26980).

The fluids from each pool are compatible and combining the fluids will not damage the pools. The commingling will not jeopardize the efficiency of present or future secondary recovery operations in the pools to be commingled. The commingling will not result in the permanent loss of reserves due to cross-flow in the well bore. Fluid-sensitive formations that may be subject to damage from water or other produced liquids are protected from contact with the liquids produced from other pools in the well. The commingling will not reduce the value of the total remaining production. Correlative rights will not be violated.

See attached procedure and well bore diagram.

*\* Provide CDE to agencies prior to completion for review/approval*

Spud Date:

09/02/1979

Rig Release Date:

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

SIGNATURE April E. Pohl TITLE Permitting Specialist DATE September 22, 2014

Type or print name April E. Pohl E-mail address: April.Pohl@chevron.com PHONE: 505-333-1941

For State Use Only

APPROVED BY: WHL Bm TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE NOV 13 2014

Conditions of Approval (if any):

*PN*

- Rig up, install BOP and test
- Pull 6161.1" of 2-3/8 tubing
- Set composite plug and perform MIT. If casing test fails
  - RIH with packer to isolate leak.
  - RIH with squeeze gun and perf. Squeeze cement.
  - Drill out cement and CBP and proceed to clean out to PBTD 6293'
- If scale is present on tubing
  - Run 5.5" packer on 2-3/8" tubing, set at ~5900'
  - Acidize Dakota with 2000 gals 15% HCL
  - Release packer and trip out of hole
- Set composite plug at ~6,000' load casing with water and test
- Install frac liner to isolate prior casing repairs and DV tools
- Perforate Gallup selectively from 5110'-5390'
- Frac Gallup
- Drillout CBP at 6000' proceed cleaning out to PBTD 6293'
- Run 2-3/8 production tubing (with 1/4" cap string if necessary) set tubing at ~6225'
- Run pump & rods
- Install pumping unit and ancillary production equipment as needed

PI Davis #1E was making 36 mcf/d of gas from Dakota, very small amount of liquids. Gallup pool is expected to make additional 75 mcf/d of gas and 25 bbl of oil.



**P. L. Davis 1-E**  
**San Juan County, New Mexico**  
**Current Well Schematic as of July 21, 2014**

API: 30-045-23624  
 Legals: Sec. 26, T26N, R11W  
 Field: Basin Dakota

KB 12' Spud Date: 9/2/79  
 KB Elev 6335' Compl Date: 10/15/79  
 GR Elev 6323' Spacing

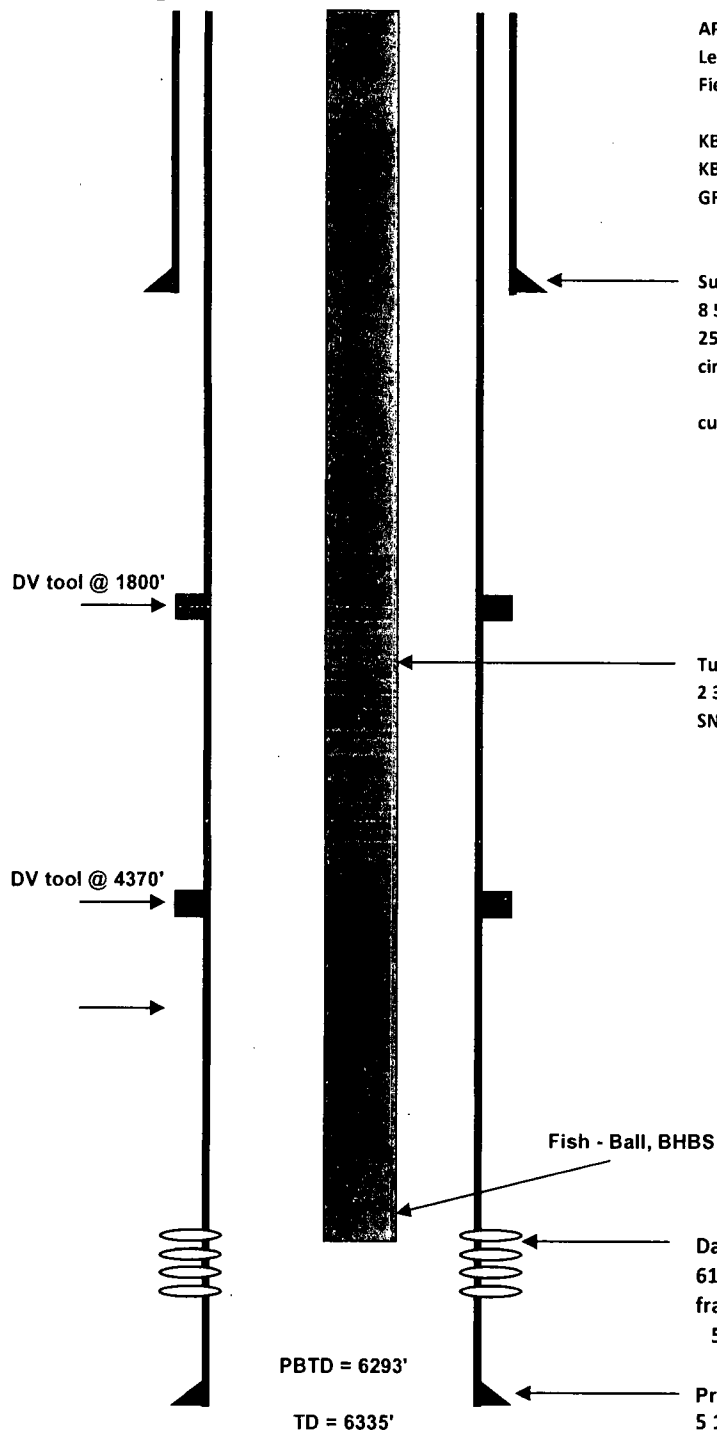
Formations	Top
Kirtland	635
Pictured Cliffs	1610
Lewis	1655
Mesa Verde	2430
Mancos	4255
Gallup	5097
Greenhorn	5971
Graneros	6028
Dakota	6086

Surface Casing:  
 8 5/8" 24# K-55, 8 jts @ 299' in 12-1/4" hole  
 250 sx Class B w/2% CaCl, 1/4# flocele/sk  
 circ to surf

currently on PL

Tubing (1979):  
 2 3/8", 210 jts @ 6153'  
 SN @ 6153'

RCVD SEP 24 '14  
 OIL CONS. DIV.  
 DIST. 3



Fish - Ball, BHBS

Dakota (9/26/79): 2 spf, 0.40"  
 6145-59' (14'), 6192-98' (6'), 6206-12' (6')  
 frac (9/26/79): 2600 gal 15% MCA, 80 Mgal KCl, 80 k# 20/40  
 55 bpm, 2500#

PBTD = 6293'

TD = 6335'

Production Casing:  
 5 1/2" K-55, 159 jts @ 6332' in 7-7/8" hole  
 14# 0-5429', 15.5# 5429-6332'

Stge 1: 195 sx 65/35 Poz w/12% gel, 1/4# Flocele, 0.40% Halid 9  
 Stge 2: 612 sx 65/35 Poz w/12% gel, 50 sx Class B Neat  
 circ 2-3 bbls cmt to surf

Stge 3: 500 sx 65/35 Poz w/12% Gel, 50 sx Class B neat, circ cmt to surf

Revised by: Prannay  
 Date: 7/21/2014  
 Prepared by: Jason Chow  
 Date: 12/15/2010



**P. L. Davis 1-E**  
**San Juan County, New Mexico**  
**Proposed Well Schematic as of August 8, 2014**

API: 30-045-23624  
Legals: Sec. 26, T26N, R11W  
Field: Basin Dakota

KB 12' Spud Date: 9/2/79  
KB Elev 6335' Compl Date: 10/15/79  
GR Elev 6323' Spacing

Formations	Top
Kirtland	635
Pictured Cliffs	1610
Lewis	1655
Mesa Verde	2430
Mancos	4255
Gallup	5097
Greenhorn	5971
Graneros	6028
Dakota	6086

Surface Casing:  
8 5/8" 24# K-55, 8 jts @ 299' in 12-1/4" hole  
250 sx Class B w/2% CaCl, 1/4# flocele/sk  
circ to surf

410' Capstring

Tubing Details  
199 JTS2-3/8" 4.7#/ft N-80  
1 Seating Nipple 2-3/8"  
1 2-3/8" pup joint  
EOT@6225'

Rod Details  
16' x 1-1/4" Polished Rod  
6' x 7/8" x 6' Pony Rod, 16' x 7/8" Rod  
237, 7/8" Rods  
4 x 7/8" Rods w/ 5 guides per 100'  
4 x 1-1/4" Sinker Bars with 5 roller guides (107.5')  
Rod Centralizer (3')  
2" x 1-1/4" x 12' RHAC Insert pump

Proposed Gallup Perfs  
5110'-5148'  
5210'-5250'  
5280'-5310'  
5340'-5390'

Dakota (9/26/79): 2 spf, 0.40"  
6145-59' (14'), 6192-98' (6'), 6206-12' (6')

frac (9/26/79): 2600 gal 15% MCA, 80 Mgal KCl, 80 k# 20/40  
55 bpm, 2500#

Production Casing:  
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Stge 3: 500 sx 65/35 Poz w/12% Gel, 50 sx Class B neat, circ cmt to surf

RCUD SEP 24 '14  
OIL CONS. DIV.  
DIST. 3

DV tool @ 1800'

DV tool @ 4370'

TOC @ ?

PBTD = 6293'

TD = 6335'  
Prannay Parihar  
8/8/2014

Prepared by:  
Date:

District I  
 1625 N French Dr., Hobbs, NM 88240  
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 District IV  
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 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
 Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

Form C-102  
 Revised August 1, 2011  
 Submit one copy to appropriate  
 District Office

☒ AMENDED REPORT  
 updated 1979 C-102

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-045-23624		<sup>2</sup> Pool Code 71599		<sup>3</sup> Pool Name Basin Dakota	
<sup>4</sup> Property Code 11724		<sup>5</sup> Property Name PL Davis			<sup>6</sup> Well Number 1E
<sup>7</sup> OGRID No. 131994		<sup>8</sup> Operator Name Four Star Oil and Gas Co			<sup>9</sup> Elevation 6325'

**" Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	26	26N	11W		1190	FNL	1170	FWL	San Juan

**" Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>10</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<b>" OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Prannay Parihar</u> Date: <u>08/21/14</u> Printed Name: <u>PRANNAY PARTHAR</u> E-mail Address: <u>pparihar@chevron-wm.com</u>	
	<b>"SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: Signature and Seal of Professional Surveyor:	
	Certificate Number	

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Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-045-23624	<sup>2</sup> Pool Code 26980	<sup>3</sup> Pool Name Gallegos Gallup
<sup>4</sup> Property Code 17724	<sup>5</sup> Property Name PL Davis	<sup>6</sup> Well Number 1E
<sup>7</sup> OGRID No. 131994	<sup>8</sup> Operator Name Four Star Oil and Gas Co	<sup>9</sup> Elevation 6325' GL

**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	26	26N	11W		1190	FNL	1170	FWL	San Juan

**Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres 760	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p><b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature: <u>Prannay Parihar</u> Date: <u>08/21/14</u></p> <p>Printed Name: <u>PRANNAY PARTHAR</u></p> <p>E-mail Address: <u>pparihar@chevron.com</u></p>		
	<p><b>18 SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p>		
	<p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>		
	<p>Certificate Number</p>		