

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

|  |   |   |
|--|---|---|
| 1. Type of Well<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other                     |   | 8. Well Name and No.<br>P L DAVIS 1E                                  |
| 2. Name of Operator<br>FOUR STAR OIL GAS COMPANY   |   | 9. API Well No.<br>30-045-23624-00-S1                                 |
| 3a. Address<br>AZTEC, NM 87410   | 3b. Phone No. (include area code)<br>Ph: 505-333-1941<br>Fx: 505-334-7134 | 10. Field and Pool, or Exploratory<br><del>UNNAMED</del> Basin Dakota |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec 26 T26N R11W NWNW 1190FNL 1170FWL<br>36.462921 N Lat, 107.977982 W Lon |   | 11. County or Parish, and State<br>SAN JUAN COUNTY, NM                |

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |   |  |   |
|--|---|---|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                             |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                             |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other<br>Subsurface Commingling |
|  | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
|  | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Four Star Oil & Gas Company respectfully requests approval for a Down Hole Commingle 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 Largo Gallup (8000).

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.

ROUND SEP 4 '14

OIL CONS. DIV.

DIST. 3

DHC 3912 A2

*Production will be allocated using the Subtractor Method*

|  |                           |
|--|---------------------------|
| 14. I hereby certify that the foregoing is true and correct.<br><b>Electronic Submission #258189 verified by the BLM Well Information System For FOUR STAR OIL GAS COMPANY, sent to the Farmington Committed to AFMSS for processing by JIM LOVATO on 09/02/2014 (14JXL0172SE)</b> |                           |
| Name (Printed/Typed) PRANNAY PARIHAR   | Title PRODUCTION ENGINEER |
| Signature (Electronic Submission)  | Date 08/25/2014           |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

|   |                                 |                        |
|---|---------------------------------|------------------------|
| Approved By <u>JIM LOVATO</u>   | Title <u>PETROLEUM ENGINEER</u> | Date <u>09/02/2014</u> |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. |                                 | Office Farmington      |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

## Additional data for EC transaction #258189 that would not fit on the form

### 32. Additional remarks, continued

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

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

See attached well bore diagrams, C102 plat maps for both pools and the C-103 filed with the NMOCD  
8/25/14

**Revisions to Operator-Submitted EC Data for Sundry Notice #258189**

|                | <b>Operator Submitted</b>  | <b>BLM Revised (AFMSS)</b>  |
|----------------|--|---|
| Sundry Type:   | SUBCOM<br>NOI  | SUBCOM<br>NOI   |
| Lease:         | NMSF078937   | NMSF078937  |
| Agreement:     |  |   |
| Operator:      | FOUR STAR OIL AND GAS CO<br>332 ROAD 3100<br>AZTEC, NM 87410<br>Ph: 505-333-1941   | FOUR STAR OIL GAS COMPANY<br><br>AZTEC, NM 87410  |
| Admin Contact: | APRIL E POHL<br>PERMITTING SPECIALIST<br>E-Mail: April.Pohl@chevron.com<br>Cell: 505-386-8074<br>Ph: 505-3331901 E<br>Fx: 505-334-7134 | APRIL E POHL<br>REGULATORY SPECIALIST<br>E-Mail: APRIL.POHL@CHEVRON.COM<br>Cell: 505-386-8074<br>Ph: 505-333-1941<br>Fx: 505-334-7134 |
| Tech Contact:  | PRANNAY PARIHAR<br>PRODUCTION ENGINEER<br>E-Mail: PPIV@CHEVRON.COM<br>Cell: 281-757-7835<br>Ph: 713-372-2270                           | PRANNAY PARIHAR<br>PRODUCTION ENGINEER<br>E-Mail: PPIV@CHEVRON.COM<br>Cell: 281-757-7835<br>Ph: 713-372-2270                          |
| Location:      |  |   |
| State:         | NM   | NM  |
| County:        | SAN JUAN COUNTY  | SAN JUAN  |
| Field/Pool:    | LARGO GALLUP   | UNNAMED   |
| Well/Facility: | PL DAVIS 1E<br>Sec 26 T26N R11W NWNW 1190FNL 1170FWL<br>36.463062 N Lat, 104.978564 W Lon  | P L DAVIS 1E<br>Sec 26 T26N R11W NWNW 1190FNL 1170FWL<br>36.462921 N Lat, 107.977982 W Lon  |

**Division I**  
 1623 N. French Dr., Hobbs, NM 88240  
 Phone: (575) 391-6161 Fax: (575) 393-0720  
**Division II**  
 8115 First St., Artesia, NM 88210  
 Phone: (575) 748-1283 Fax: (575) 748-9320  
**Division III**  
 1000 Rio Brazos Road, Aztec, NM 87410  
 Phone: (505) 334-6178 Fax: (505) 334-6170  
**Division IV**  
 1320 S. St. Francis Dr., Santa Fe, NM 87505  
 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<br>36-045-23624 | <sup>2</sup> Pool Code<br>71599                        | <sup>3</sup> Pool Name<br>Basin Dakota |
| <sup>4</sup> Property Code<br>11724     | <sup>5</sup> Property Name<br>PL Davis                 |  |
| <sup>6</sup> OGRID No.<br>131994        | <sup>7</sup> Operator Name<br>Four Star Oil and Gas Co | <sup>8</sup> Well Number<br>1E         |
|   |  | <sup>9</sup> Elevation<br>6325'        |

**<sup>10</sup> 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 |

**<sup>11</sup> 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<br>320 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|

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.

|                                     |  |
|-------------------------------------|--|
| <sup>16</sup><br>1170'<br>1190'<br> | <p><b><sup>17</sup> OPERATOR CERTIFICATION</b><br/> <i>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 subsurface 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.</i></p> <p style="text-align: right;"> <i>[Signature]</i>      08/21/14<br/>             Signature      Date           </p> <p style="text-align: center;"> <b>PRANNAY PARTHAR</b><br/>             Printed Name           </p> <p style="text-align: center;"> <i>pparthar@chevron.com</i><br/>             E-mail Address           </p> <p><b><sup>18</sup> SURVEYOR CERTIFICATION</b><br/> <i>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.</i></p> <p>Date of Survey: _____<br/>             Signature and Seal of Professional Surveyor: _____</p> <p>Certificate Number: _____</p> |
|-------------------------------------|--|

RCVD SEP 4 '14  
 OIL CONS. DIV.  
 DIST. 3

**District I**  
 1625 N French Dr., Hobbs, NM 88240  
 Phone: (575) 391-6161 Fax: (575) 393-0720  
**District II**  
 811 S First St., Artesia, NM 88210  
 Phone: (575) 748-1283 Fax: (575) 748-9720  
**District III**  
 1000 Rio Brazos Road, Aztec, NM 87410  
 Phone: (505) 334-6178 Fax: (505) 334-6170  
**District IV**  
 1320 S. St. Francis Dr., Santa Fe, NM 87505  
 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

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|   |               |  |              |  |                                    |                         |                       |                       |                    |
|---|---------------|--|--------------|--|------------------------------------|-------------------------|-----------------------|-----------------------|--------------------|
| <sup>1</sup> API Number<br>30-045-23624                             |               | <sup>2</sup> Pool Code<br>8000                         |              | <sup>3</sup> Pool Name<br>Largo Gallup |                                    |                         |                       |                       |                    |
| <sup>4</sup> Property Code<br>17724                                 |               | <sup>5</sup> Property Name<br>PL DAVIS . . .           |              |  | <sup>6</sup> Well Number<br>1E     |                         |                       |                       |                    |
| <sup>7</sup> OGRID No.<br>131994                                    |               | <sup>8</sup> Operator Name<br>Four Star Oil and Gas Co |              |  | <sup>9</sup> Elevation<br>6325' GL |                         |                       |                       |                    |
| <b><sup>10</sup> Surface Location</b>                               |               |  |              |  |                                    |                         |                       |                       |                    |
| UL or lot no.<br>D  | Section<br>26 | Township<br>26N  | Range<br>11W | Lot Idn                                | Feet from the<br>1190              | North/South line<br>FNL | Feet from the<br>1170 | East/West line<br>FWL | County<br>San Juan |
| <b><sup>11</sup> Bottom Hole Location If Different From Surface</b> |               |  |              |  |                                    |                         |                       |                       |                    |
| 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<br>320                                |               | <sup>13</sup> Joint or Infill                          |              | <sup>14</sup> Consolidation Code       |                                    | <sup>15</sup> Order No. |                       |                       |                    |

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><sup>16</sup> OPERATOR CERTIFICATION</b><br/> <i>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.</i></p> <p>Signature: <u>Prannay Parihar</u> Date: <u>08/21/14</u><br/>       Printed Name: <u>PRANNAY PARIHAR</u><br/>       E-mail Address: <u>pparihar@chevron.com</u></p> <p><b><sup>17</sup> SURVEYOR CERTIFICATION</b><br/> <i>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.</i></p> <p>Date of Survey: _____<br/>       Signature and Seal of Professional Surveyor: _____<br/>       Certificate Number: _____</p> |
|--|---|

RCVD SEP 4 '14  
 OIL CONS. DIV.  
 DIST. 3

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

Form C-103  
 Revised August 1, 2011

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

|  |  |
|--|--|
| WELL API NO. 30-045-23624  |  |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input type="checkbox"/> |  |
| 6. State Oil & Gas Lease No.   |  |
| 7. Lease Name or Unit Agreement Name<br>PL Davis   |  |
| 8. Well Number #1E   |  |
| 9. OGRID Number 131994   |  |
| 10. Pool name or Wildcat<br>Largo Gallup   |  |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>6325' GL                           |  |

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 (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.)

1. Type of Well: Oil Well  Gas Well  Other

2. Name of Operator  
Four Star Oil & Gas Company

3. Address of Operator  
ATTN: Permitting Specialist 332 Road 3100 Aztec, New Mexico 87410

4. Well Location  
 Unit Letter D : 1190 feet from the N line and 1170 feet from the W line  
 Section 26 Township 26N Range 11W NMPM County San Juan

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

|  |   |  |  |
|--|---|--|--|
| <b>NOTICE OF INTENTION TO:</b>                         |   | <b>SUBSEQUENT REPORT OF:</b>                     |  |
| PERFORM REMEDIAL WORK <input type="checkbox"/>         | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>           | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/>           | CHANGE PLANS <input type="checkbox"/>     | COMMENCE DRILLING OPNS. <input type="checkbox"/> | P AND A <input type="checkbox"/>         |
| PULL OR ALTER CASING <input type="checkbox"/>          | MULTIPLE COMPL. <input type="checkbox"/>  | CASING/CEMENT JOB <input type="checkbox"/>       |  |
| DOWNHOLE COMMINGLE <input checked="" type="checkbox"/> |   |  |  |
| OTHER: <input type="checkbox"/>                        |   | OTHER: <input type="checkbox"/>                  |  |

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 a Down Hole Commingle 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 Largo Gallup (8000).

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.

RCVD SEP 4 '14  
 OIL CONS. DIV.  
 DIST. 3

Spud Date:  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 August 25, 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: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):



# 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

| <u>Formations</u> | <u>Top</u> |
|-------------------|------------|
| Kirtland          | 635        |
| Pictured Cliffs   | 1610       |
| Lewis             | 1655       |
| Mesa Verde        | 2430       |
| Mancos            | 4255       |
| Gallup            | 5097       |
| Greenhorn         | 5971       |
| Graneros          | 6028       |
| Dakota            | 6086       |

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

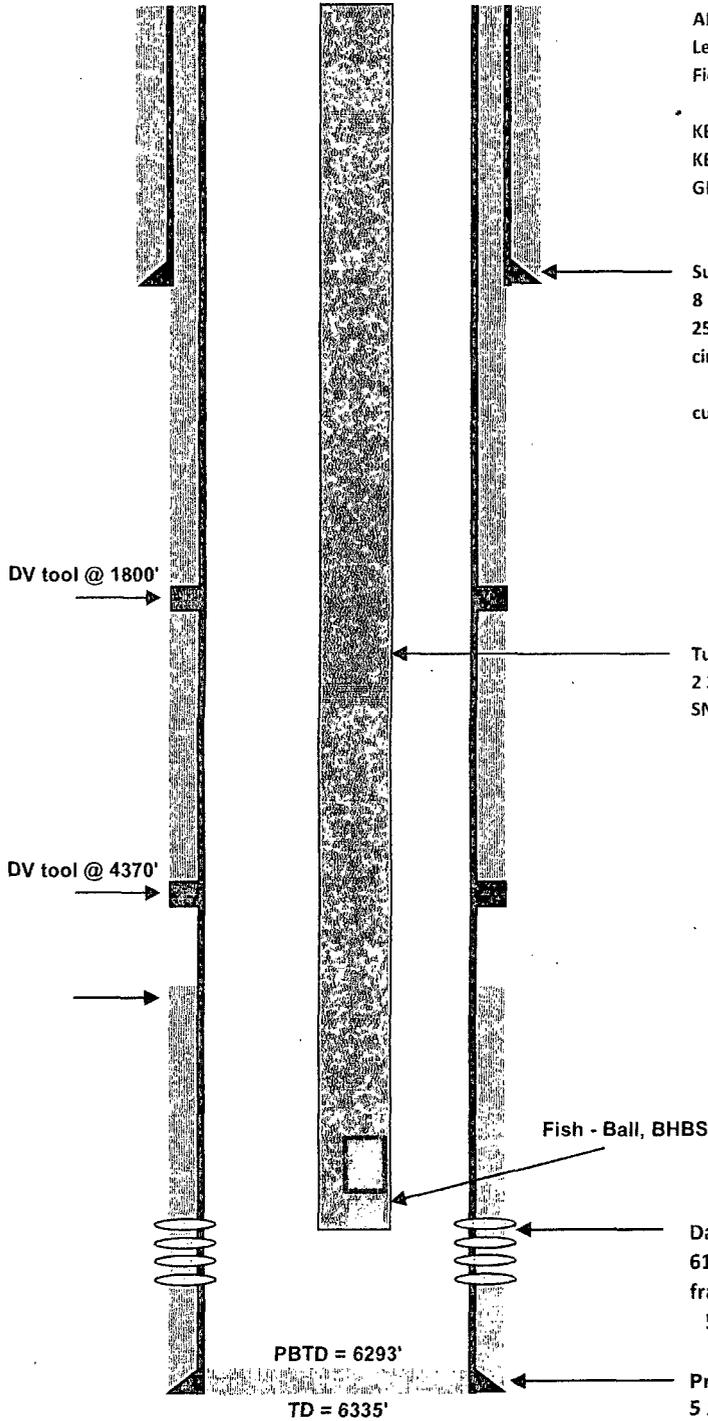
Surface Casing:  
8 5/8" 24# K-55, 8 jts @ 299' in 12-1/4" hole  
250 sx Class B w/2% CaCl, 1/4# flocele/sk  
circ to surf

currently on PL

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

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:  
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



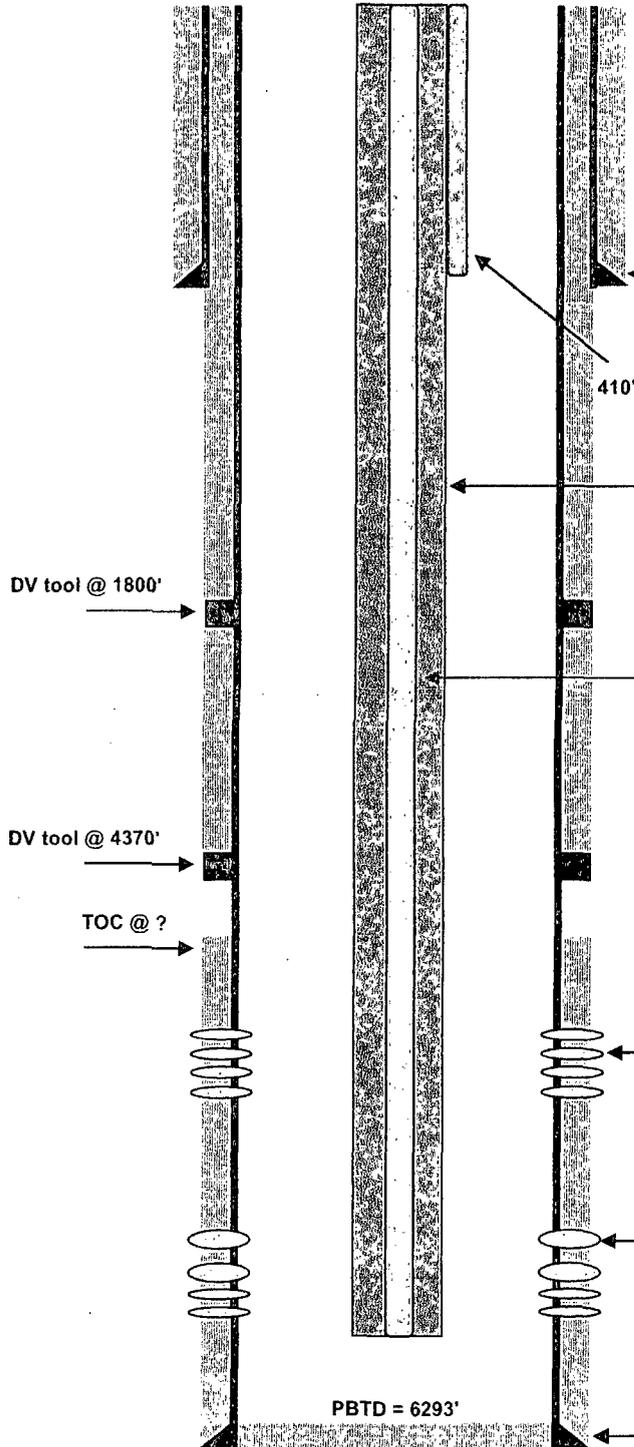
PBTD = 6293'  
TD = 6335'

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        | Formations      | Top      |
| Legals: | Sec. 26, T26N, R11W | Kirtland        | 635      |
| Field:  | Basin Dakota        | Pictured Cliffs | 1610     |
|         |                     | Lewis           | 1655     |
| KB      | 12'                 | Spud Date:      | 9/2/79   |
| KB Elev | 6335'               | Compl Date:     | 10/15/79 |
| GR Elev | 6323'               | Spacing         |          |
|         |                     | 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:  
 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

Prepared by:  
 Date:

PBD = 6293'  
 TD = 6335'  
 Prannay Parihar  
 8/8/2014