

OIL CONSERVATION COMMISSION
1000 Rio Brazos Rd.
Aztec, New Mexico

DATE 11-14-67

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

RE: Proposed NSP _____

Proposed NSL _____

Proposed NFO _____

Proposed DC ✓

Gentlemen:

I have examined the application dated 11-10-67
for the Permian Petroleum Corp. Leakey No. 9 E-4-26-4
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

Approved

Yours very truly,

Ernest C. Gentry
OIL CONSERVATION COMMISSION

PAN AMERICAN PETROLEUM CORPORATION

SECURITY LIFE BUILDING
DENVER, COLORADO 80202

November 10, 1967

File: AMR-2414-986.511

Re: Request for Multiple Completion
Jicarilla Apache 102 Well No. 9
Section 4, T26N-R4W
Rio Arriba County, New Mexico

Mr. A. L. Porter, Jr.
Director
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico



Dear Mr. Porter:

Pan American Petroleum Corporation encloses its Form C-107 requesting multiple completion as a gas-gas dual of its Jicarilla Apache 102 Well No. 9 in the Gallup and Basin Dakota formations. The well is presently completed only in the Basin Dakota formation.

A request for a waiver has been forwarded to the offset operators, Consolidated Oil and Gas Incorporated and El Paso Natural Gas Company, with the request that each of these interested parties forward their approval or objection directly to your office.

Yours very truly,

R B Giles

Enclosure

cc: New Mexico Oil Conservation Commission - Aztec
U. S. Geological Survey - Farmington
Consolidated Oil and Gas Incorporated
El Paso Natural Gas Company



PAN AMERICAN PETROLEUM CORPORATION

SECURITY LIFE BUILDING
DENVER, COLORADO 80202

November 10, 1967

File: AMR-2415-986.511

Re: Request for Multiple Completion
Jicarilla Apache 102 Well No. 9
Section 4, T26N-R4W
Rio Arriba County, New Mexico

Consolidated Oil and Gas Incorporated
Writer Building
4150 East Mexico Avenue
Denver, Colorado 80222

Gentlemen:

Pan American has requested New Mexico Oil Conservation Commission's administrative approval of a multiple completion in its Jicarilla Apache 102 Well No. 9 in the Gallup and Basin Dakota formations. If you, as an offset operator, have no objection, we will appreciate your signifying your approval in the space provided below and forwarding one copy of this letter to the Commission's office in Santa Fe to the attention of Mr. A. L. Porter, Jr. in the enclosed stamped envelope.

Yours very truly,

J M Curtis

Enclosures

cc: New Mexico Oil Conservation Commission - Santa Fe
New Mexico Oil Conservation Commission - Aztec
U. S. Geological Survey - Farmington
El Paso Natural Gas Company

APPROVED:

Consolidated Oil and Gas Incorporated

Date _____

PAN AMERICAN PETROLEUM CORPORATION

SECURITY LIFE BUILDING
DENVER, COLORADO 80202

November 10, 1967

File: AMR-2416-986.511

Re: Request for Multiple Completion
Jicarilla Apache 102 Well No. 9
Section 4, T26N-R4W
Rio Arriba County, New Mexico

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Gentlemen:

Pan American has requested New Mexico Oil Conservation Commission's administrative approval of a multiple completion in its Jicarilla Apache 102 Well No. 9 in the Gallup and Basin Dakota formations. If you, as an offset operator, have no objection, we will appreciate your signifying your approval in the space provided below and forwarding one copy of this letter to the Commission's office in Santa Fe to the attention of Mr. A. L. Porter, Jr. in the enclosed stamped envelope.

Yours very truly,

J M Curtis

Enclosure

cc: New Mexico Oil Conservation Commission - Santa Fe
New Mexico Oil Conservation Commission - Aztec
U. S. Geological Survey - Farmington
Consolidated Oil and Gas Incorporated

APPROVED:

El Paso Natural Gas Company

Date _____

EL 6820
5588 TD
5556 PB
5650 TP (PC)
F 1718 MCF
5768 TP (MV)
F 2413 MCF
7-31-58

R 4 W

EL PASO

32

San Juan 27.4 Unit
EL PASO

6861
*10
3756 TD
3748 PB
3671 TP (PC)
F 1639 MCF
10-2-57

EL PASO

El Paso Natural Gas Co.
El Paso, Texas 79999

34

El Paso
San Juan 27.4

7085
*34
8340 TD
8302 PB
8084 TP (Dak)
1183 MCF
0-3-64

7149 KB
8643 TD
1629 MCF
9-4-65
7206
*27
4085 TD
4075 PB
4000 TP (PC)
F 2539 MCF
9-4-65

6373 TD
8306 PB
6176 TP (MV)
F 3435 MCF
10-27-60

CONSOLIDATED

Consolidated
Hoyt

7188
*10

PAN AM

PAN AM

8575 TD
8560 PB
8190 TP/Dak
1325 MCF
8-20-65
7664 TD (Gall)
531 MCF PD
10-20-67

8416 TD
8373 PB
8183 TP/Dak
1693 MCF
8-21-63
4160 TD
4086 TP (PC)
F 309 MCF
12-31-66
6248 NT.D.
6365 PB
6259 NT.P (MV)
F 2374 MCF
9-19-57

7909
*1
8192 TD
8150 PB
7964 TP/Dak
2482 MCF
0-12-63
Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
642-82Ac
(2567.944Ac)
Subj. to P/P

Consolidated
Hoyt
7302
*2
4111 TD
4109 PB
4030 TP (PC)
F 9602 MCF
5-22-57
Jicarilla Apache N
NW PRODUCTION
8515 TD
8478 PB
6092 TP (MV)
463 MCF
7740 TP (Gall)
2177 MCF
8274 TP (Dak)
5252 MCF
5-5-64
7187
*1
4030 TD
3920 TP (PC)
F 2268 MCF
10-8-58

Jicarilla Apache 102
PI 228185
4-2-62
642-82Ac
(2567.944Ac)
Subj. to P/P
4045 TD
3940 TP (PC)
F 1884 MCF
10-16-56
6422 NT.D.
6074 NT.P (MV)
F 3163 MCF
8-2-54

6022
*6
8120 TD
8075 PB
7848 TP/Dak
3092 MCF
6-12-63
3720 TD
3606 TP (PC)
F 1867 MCF
9-21-56
OWDD
6100 NT.D.
5540 NT.P (MV)
F 1931 MCF
9-25-58

Jicarilla Apache N
NW PRODUCTION

Consolidated
N.W. Faderal
8555 TD
8350 PB
7614 TP (Gall)
322 MCF
3166 TP (Dak)
2139 MCF
6-2-64
DUAL
7177
*8
6216 TD
6200 PB
3084 TP (PC)
F 2398 MCF
5664 TP (MV)
F 4992 MCF
9-14-56

EL 6814
3672 TD
3492 TP (PC)
F 5704 MCF
8-9-56

CONSOLIDATED

PAN AM

PAN AM

7181
*14
8320 TD
8285 PB
8048 TP (Dak)
2998 MCF
10-15-63
7142
*2
8520 TD
8383 PB
8018 TP/Dak
2848 MCF
10-10-63
Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
640-82Ac
(2567.944Ac)
Subj. to P/P

6882
*1
8057 TD
7860 PB
7780 TP/Dak
861 MCF
9-4-65
6855
*3
8055 TD
7997 PB
7753 TP (Dak)
1770 MCF
10-8-63

Consolidated Oil & Gas Inc.
Writer Bldg. 4150 E. Mexico Ave.
Denver, Colorado 80222

7-2-57 (Dak)
F 1048 MCF
6-9-57

7115
*3
3011 TD
PB
F 7941 MCF
7-7-56

Jicarilla Apache 102
PI 228185
4-2-62
640-82Ac
(2567.944Ac)
Subj. to P/P

6836
*1
3589 TD
3525 TP (PC)
F 1930 MCF
5-1-55

PAN AMERICAN PET. CORP.
LOCATION PLAT
TO ACCOMPANY APPLICATION
FOR DUAL COMPLETION
JICARILLA APACHE 102-WELL NO. 9

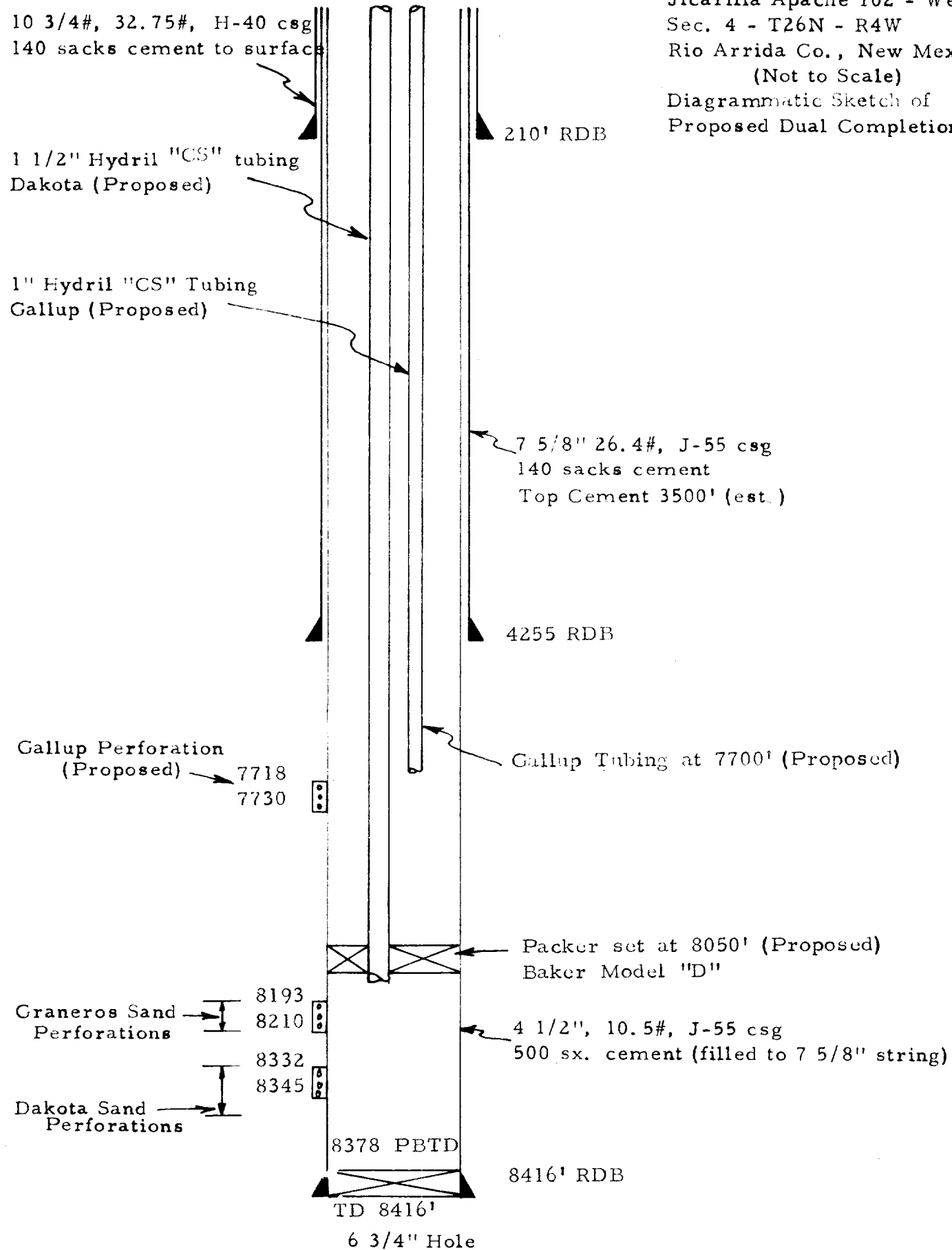
T
27
N

T
26
N

17
Jicarilla Apache "H"
SO. UNION
58 e 2 1/2-58
5-5-10

6771
*2-H
3489 TD
3470 PB
3184 TP (PC)
F 980 MCF
8-6-56

PAN AMERICAN PET. CORP.
 Jicarilla Apache 102 - Well No 9
 Sec. 4 - T26N - R4W
 Rio Arriba Co., New Mexico
 (Not to Scale)
 Diagrammatic Sketch of
 Proposed Dual Completion



NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

5-1-61

Operator Pan American Petroleum Corporation		County Rio Arriba	Date November 10, 1967
Address Security Life Building, Denver, Colorado		Lease Jicarilla Apache 102	Well No. 9
Location of Well G	Unit 4	Township 26 North	Range 4 West

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES X NO _____ **Pan American**
2. If answer is yes, identify one such instance: Order No. MC-1771 ; Operator Lease, and Well No.: Jicarilla Apache 102
Well No. 10

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Gallup		Basin Dakota
b. Top and Bottom of Pay Section (Perforations)	7718' 7730' (Proposed)		8193' 8345'
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Life)	Flowing		Flowing

4. The following are attached. (Please check YES or NO)

Yes	No	
☒	☐	a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
☒	☐	b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
☐	☐	c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
☐	☐	d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Consolidated Oil & Gas Inc., Writer Building, 4150 E. Mexico Ave., Denver, Colorado 80222

El Paso Natural Gas Company, P. O. Box 1492, El Paso, Texas 79999

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO _____. If answer is yes, give date of such notification November 10, 1967.

CERTIFICATE: I, the undersigned, state that I am the Engineering Group Supervisor of the Pan American Petroleum Corporation (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.


Signature

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

EL PASO
5988 TD
5956 PB
3650 T.P.(PC)
F 1718 MCF
5768 T.P.(Mv)
F 2413 MCF
7-31-58

R 4 W

EL PASO

32

San Juan 27.4 Unit
EL PASO

6861
*10

3786 TD
3748 PB
3671 T.P.(PC)
F 639 MCF
10-2-57

EL PASO

El Paso Natural Gas Co.
El Paso, Texas 79999

34

El Paso
San Juan 27.4

7085
*34

8340 TD
8302 PB
8084 T.P.(Dak)
1183 MCF
8-5-64

T
27
N

7181
7185 *8
8496 TD
8400 PB
8182 T.P.(Dak)
8462 MCF
11-9-61

7149 KB
8643 TD
1629 MCF
9-4-65

6373 TD
6190 PB
6176 T.P.(Mv)
F 3436 MCF
10-27-60

41.79 Ac 4 | 41.79 Ac 3 | 4.68 Ac 2 | 41.62 Ac 1

41.36 Ac 3 | 11.80 Ac 2 | 11.80 Ac 1

40.34 Ac 4 | 40.77 Ac 3 | 40.64 Ac 2 | 40.50 Ac 1

CONSOLIDATED

Consolidated
Hoyt

PAN AM

PAN AM

7188
*10

8575 TD
8560 PB
8150 T.P.(Dak)
1525 MCF
8-20-68
7664 TD (Gal.)
531 MCF PD
10-20-67

8416 TD
8378 PB
8103 T.P.(Dak)
1693 MCF
8-21-63

4160 TD
4056 T.P.(PC)
F 309 MCF
12-31-56
6248 TD
6265 PB
6259 T.P.(Mv)
F 2374 MCF
9-18-57

7009
*7
8192 TD
8150 PB
7964 T.P.(Dak)
1482 MCF
8-12-63

Jicarilla Apache 102
Pl. 228185
4-2-62
645.24 Ac
(2567.94 Ac)
Subj. to P/P

8120 TD
8075 PB
7848 T.P.(Dak)
3092 MCF
6-12-63

Jicarilla Apache 102
PAN AMERICAN
Pl. 228185
4-2-62
645.24 Ac
(2567.94 Ac)
Subj. to P/P

Dual
*3
6383 TD
6337 PB
4072 T.P.(PC)
4476 MCF
6138 T.P.(Mv)
2558 MCF
8-30-64

7298 est.
*Dual
8524 TD
8460 PB
7772 T.P.(Gal.)
4966 MCF
8280 T.P.(Dak)
5645 MCF
2-19-64

Consolidated
Hoyt
7802 *2
4111 TD
4109 PB
4030 T.P.(PC)
F 9602 MCF
5-22-57

Jicarilla Apache N
NW PRODUCTION

Consolidated
N.W. Federal
8355 TD
8350 PB
7614 T.P.(Hall)
392 MCF
8162 T.P.(Dak)
2159 MCF
6-4-64

DUAL
7177
*7
6216 TD
6200 PB
3884 T.P.(PC)
F 2336 MCF
5644 T.P.(Mv)
F 4952 MCF
9-14-56

CONSOLIDATED

PAN AM

PAN AM

7181
*14
8320 TD
8285 PB
8048 T.P.(Dak)
2998 MCF
10-15-63

7142
*2
8320 TD
8285 PB
8018 T.P.(Dak)
2848 MCF
10-10-63

Jicarilla Apache 102
PAN AMERICAN
Pl. 228185
4-2-62
640.4 Ac
(2567.94 Ac)
Subj. to P/P

8057 TD
7850 PB
7780 T.P.(Dak)
861 MCF
9-4-63

6855
*13
8055 TD
7978 PB
7790 T.P.(Dak)
1779 MCF
10-8-63

Jicarilla Apache 102
Pl. 228185
4-2-62
640.4 Ac
(2567.94 Ac)
Subj. to P/P

6836
*1
3589 TD
3525 T.P.(PC)
F 19300 MCF
5-1-55

T
26
N

DUAL
6824
*1
Consolidated Oil & Gas Inc.

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Denver, Colorado 80222

7129 T.P.(Dak)
F 1048 MCF
6-3-57

6771
*2-H

3489 TD
3470 PB
3428 T.P.(PC)
F 980 MCF
8-6-56

17

Jicarilla Apache "H"
90. UNION
See 2-12-58
3-15-10

PAN AMERICAN PET. CORP.
LOCATION PLAT
TO ACCOMPANY APPLICATION

FOR DUAL COMPLETION
JICARILLA APACHE 102-WELL NO. 9

PAN AMERICAN PET. CORP.
Jicarilla Apache 102 - Well No 9
Sec. 4 - T26N - R4W
Rio Arriba Co., New Mexico
(Not to Scale)
Diagrammatic Sketch of
Proposed Dual Completion

10 3/4#, 32.75#, H-40 csg
140 sacks cement to surface

210' RDB

1 1/2" Hydril "CS" tubing
Dakota (Proposed)

1" Hydril "CS" Tubing
Gallup (Proposed)

7 5/8" 26.4#, J-55 csg
140 sacks cement
Top Cement 3500' (est.)

4255 RDB

Gallup Perforation
(Proposed) 7718
7730

Gallup Tubing at 7700' (Proposed)

Packer set at 8050' (Proposed)
Baker Model "D"

Graneros Sand
Perforations 8193
8210

4 1/2", 10.5#, J-55 csg
500 sx. cement (filled to 7 5/8" string)

Dakota Sand
Perforations 8332
8345

8378 PBTD

8416' RDB

TD 8416'

6 3/4" Hole