

GEOLOGICAL COMPLETION REPORT FOR  
BRITISH-AMERICAN #5 FULLERTON

Well Classification:

Development well, West Kutz Canyon Area  
San Juan County, New Mexico  
British-American #5 Fullerton  
C NW NE Section 15-27N-11W



Well Data:

|                            |                                                                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Commenced drilling:        | December 23, 1958                                                                                                                        |
| Completed drilling:        | January 22, 1959                                                                                                                         |
| Contractor:                | Herndon Drilling Company                                                                                                                 |
| Casing Record:             | Set 9 5/8" @ 333' K.B. w/175 sax strata-crete<br>& w/125 sax neat cement<br>Set 5 1/2" @ 6791 K.B. w/400 cu.ft. of Diacel "D"<br>slurry. |
| Elevation:                 | G.L. 6325; K.B. 6336                                                                                                                     |
| Total Depth and Datum:     | Driller & E.S. 6774-458                                                                                                                  |
| PBTD, Datum and Formation: | 6773 - 437 Dakota formation                                                                                                              |

Completion Data:

|                            |                                                                                                                                                    |                         |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Producing zone:            | Dakota sandstone                                                                                                                                   | Net Pay: 13' Perforated |
| Perforations & Treatments: | Perf: 6627-40 w/4 jets per ft.<br>Sand-oil frac w/40,000 galls oil and 40,000 lbs<br>sd w/300 galls mud acid ahead of frac. Avg. I.R.<br>35.5 BPM. |                         |
| Initial Production:        | 1050 MCFPD                                                                                                                                         |                         |

Geological Data:

|                |                                                                                                                       |
|----------------|-----------------------------------------------------------------------------------------------------------------------|
| Logging Data:  |                                                                                                                       |
| Samples:       | 10' from 1700-6794 K.B. Stored at: Four Corners Sample<br>Cut, Farmington, New Mexico<br>(B-A cut at Farmington Ofc.) |
| E.S.-Induction | 2" 334-6794 K.B.<br>5" 1680-2330, 4280-4930, 5600-6794 K.B.                                                           |
| Microlog:      | Same as 5" E.S.-Induction                                                                                             |
| Gamma Ray:     | 1500-2388, 5000-6760 K.B.                                                                                             |
| Neutron:       | 1500-2400, 5000-6772 K.B.                                                                                             |
| Geolograph:    | 333-6794 K.B.                                                                                                         |

Formation Record:

|                     | <u>Schl. Top</u> | <u>Schl. Datum</u> |
|---------------------|------------------|--------------------|
| Pictured Cliffs Ss  | 2062             | +4274              |
| Lewis Sh            | 2200             | +4136              |
| Chacra LaVentana Fm | 2984             | +3352              |
| Pt. Lookout Ss      | 4518             | +1818              |
| Mancos Sh           | 4770             | +1566              |
| Upper Gallegos Zone | 5875             | + 461              |
| Lower Gallup Zone   | 5950             | + 386              |
| Sanastee Fm         | 6112             | + 224              |
| Upper Greenhorn Ls  | 6365             | - 29               |
| Lower Greenhorn Ls  | 6470             | - 134              |
| Base Greenhorn Ls   | 6524             | - 188              |
| 1st Dakota Ss       | 6578             | - 242              |
| Dakota Pay          | 6624             | - 288              |

Core Record:

|         | <u>Interval</u> | <u>Formation</u> | <u>Ft. Recovered</u> |
|---------|-----------------|------------------|----------------------|
| Core #1 | 5904-5946       | Gallup Ss        | 42'                  |
| Core #2 | 6640-6657       | Dakota Ss        | 14½'                 |
| Core #3 | 6667-6705       | Dakota Ss        | 36'                  |

Drill Stem Test Record:

DST #1

5911-6040 Gallup Ss  
 ISIP 15", Open 60", SI 30"  
 Good blow throughout test, rec. 3100' FGCM,  
 ISIP 2805#; IFP 655#; FFP 1545/30"; FSIP 2095#;  
 IHP 2875 @ 15"; FHP 2875#.

DST #2

6626-6684 Dakota Ss  
 ISIP 15", Open 60", SI 30"  
 Immediate good blow gas to surface  
 5.8 MCF @ 30" and remained steady throughout test.  
 Rec. 180' GCM  
 ISIP 1085#; IFP 70#; FFP 85; FSIP 410; IHP 3305;  
 FHP 3305 Top Packer.

H. A. Holtom  
 4/8/59