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PLAINS EXPLORATION COMPANY

Danver 2, Colorado

October, 1960

Coroletion Report - - - -

Location: C - ME - SE, Sec. 28 - T205 - ROW, Mice County, Konsas

Elevations 1608' K. B.

1605' D. F.

R. T. D. 3386' (-1778')

C.T.T.D. 3518' (-1810') P.B.T.D. 3398' (-1790')

160° of 8 5/80 cemented with 140 sacks cement 3385 of 5 1/2" cemented with 50 sacks cement

Communed: 10/07/60 (w/r)

Completed: 10/13/60 (w/r) 10/27/60 (w/c.t.)

10/13/60 (w/e.t.)

Contractor: Sterling Drilling Company

Tep of Mississippi Chat: 3365' (-1757')

Zero point Kelly Bushing 6.30' above top of Braden Head

CABLE TOOL COMPLETION

Oct. 13, 1960 Cable tools set in by Sterling trucks after roving cut retary tools.

Oct. 17, 1960 Mig up tools, suchbed out holo and drilled on rubber plugs.

Oct. 18, 1960

Drilling on rabbor place, had some trouble harging tools. Irilled float and conent. Plage chaved to be at float and coment seemed to be a.k. Pipe showed to be on bottom as expected. Indied shoe and approximately 21 of new hole. Seeples showed good hard white chert with some pieces showing fair porosity and good asturation, some pieces should that they had been bedded in red shale and vater was red. Only had alight rainbow of oil white bailing hole. T.D. 3398' (-1780')

Drillod 3', samples chout arm, maybe loss red chalo and probably less porosity. But such increese is oil closs while bailing hole. Cleaned holo up and shut down at 5:00 para

Oct. 19, 1960

Hon on rig at 8:20 a.m. Very alight blos on caring. Bailed hole dry got 15 gal. T.F. of which he gal. was good close live oil. Average fillup 1 gel. per hour and showed 30% oil.

Brilled 32', samples showed for pieces with fair peresity but less oil staining. Fluid still muddy and red. Drilled 31, some few pieces showed very good saturation but seemed to be very poor porocity. Stated 30 min. : Downetteechlocknesses in oil or water. Drilled 3', less seturation but sees perceity charing. Tested 30 min. no noticeable increase in oil or unter. Drilled 320, come green to blue shale showed up, runted to brown and varied colored chat. Very little perceity or oil staining. Drilled 3', good white to clear chat. Some perceity showing in white chat with very emell beads of oil showing when pressure applied. Tosted I hour, no noticeable increase in fluid. T.D. now 3007' (-1799') 210' below pipe. Simt down for night.

coto Stoching to I Knin 11.8.60

CABLE TOOL COMPLETION

Eston #1

Page #2

- Very slight blow on casing. Bailed bole dry, got 40 gal. T.F. about 6 gal. good clean live oil. Drilled 3', little perceity and very little saturation but do see some pieces that have oil. Drilled 4', same and above, has some blue to green shale probably increase in pink to red chert, plenty of good hard white chert. Tested 1 hour got 5 gal. fluid, good sown of oil. Drilled 4', hard white chat, very little perceity, oil showing in few pieces. Shut down for night at 5:00 p.m.
- bet. 2%, 1960 Better blow on casing but would not register on gauge. First show of gauge to surface. 183° of fluid in bale, 15 bour fillup, average of 12° gal. per bour by fillup. Bailed out approximately 170 gal. T.F. of which about 11 gal. was oil or 7%. Put about 1700° of vator in hole and dumped 3 sacks of commut with bailer. Finished filling hole with vator. Shut tools down at News. T. D. now 3418° (-1810°) 32° below pipe, 53° into chat.
- Det. 22, 1960 Bodler showed 192' fillup with occase. P.B.D. 3398', approximately 12' below pipe.
- Oct. 23, 1960 Purping water from creek to pend at wall to water frac.
- Approximately 5000 bbls. of water on hand at well. Halliburton on job Det. 24, 1960 about 7:00 a.m. with 2 - MT - 400 pump tracks and 1 - M - 70 blender. 300 sacks of 20-40 and 30 sacks of 10-20 frac sand. 1000 lbs. of 4-6-4. Loaded bolo and broke formation at approximately 2600 lbs. pei at surface with hele loaded with fresh water. 1700 Male, presente had gradually dropped to about 2050 lbs. Gelled 120 bbls. trying to get a break. Probably from friction loss pressure dropped to 1900 lbs. with an increase of about 4 bblo. per min. injection rate to about 45 bbls. per min. Started 20-40 send at & 1b. per sel. using a little Hoth through send treatment to halp friction. The 30,000 lbs. of 20-40 west } lb. por gal. at about 36 bbls. per min, at about 2000 lbs. pressure. Started 10-20 send, soon after 1t hit botton proesure started increasing, some must have gone into formation but prossure got to 2300 lbs. and send uns stopped with about 2h sacks in pipe. About 1500 bbla. of water had been purped with sand. Then about 1700 bbls. was pumped at about 33 bbls. per min. at 2100 lbs. Meking a total of about 5020 bblo. of water pumped during treatment. 32,460 lbs. of sand, 950 lbs. of 4-6-4 at an average of 37 bbls. per min. Minimus treeting pressure -1900 lbs., maximum treating presours - 2300 lbs., dropped to 1000 lbs. whom purps were stopped. Lost 300 lbs. in 25 min., in another hour had lost another 100 lba. Jeb want o.k. but well looks a little tight.
- Oct. 25, 1960

 Flowed back approximately 200 bbls. Still flowing some but started sumbling. Sumbled down about 400° them ran sand-pump. Hole rem over while running pump, got about 2 gal. of sand and chat. Pickup showed to be about 2° off plug back T.D. Sumbled about 80 bbls. into pit, had show of free ail and alight show of gas. Sumbling 1 hour had hole swabbed down 1000°. Hem Sand-pump after eating lunch, got about 2 gal. sand and chat, pickup close to bottom. Hole filled to about 200° of top. Started swabbing. Han sand-pump at 3:00 p.m., got about 1 gal with pickup close to bottom. Estimated about 220 bbls. swabbed in afternoon, getting down to about 1400°. Good soun of good live oil showing on fluid and gas showing while pulling swab. Shut down for night leaving about 2000° of fluid in hole.

Eaton #1

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Oct. 26, 1960

60 lbs. pressure on easing. Fluid 160' down from top. Sand-pump picked up at bottem got about \$ gal. send and chat. Suabbed down about 1400', put approximately 100 bbls. in pit. Good show of oil and gas. Put into test tank at 10:30 a.m., gauge at 11:15 a.m. 1'\$" - 14.50 bbls., hole swabbed back down to 1600' from top. At 12:15 p.m. 2'3" in test tenk, lst hour made 1'2\$" - 51.62 bbls. Had lowered fluid about 200' or about 1800' from top. About 320 bbls. swabbed out this day, had fluid swabbed down to about 1400' off bottom. Tested 1 hour from this point got 28.48 bbls. With about 1000 bbls. of fluid back after frac jeb oil from about 350 bbls. showed about 3%. Last 2 hours of swabbing test shows about 28 bbls. per hr. 1400' off bottom. Shut down at 5:30 p.m.

Oct. 27, 1960

25# pressure on easing. 2466' of fluid in hole. Sand-pump showed to be picking up on bottom, got few pieces of that and less than \$ gal. of sand. Swebbed hole down to 1400' off bottom got 40 bbls. Swebbed 1 hour test got 48.72 bbls., fluid showing good scum of oil and some gap. Sand-pumped hole got about 1 gal. sand and chat.

Tearing down Cable Tools to test by purping.

E. E. Dancan, October 27, 1960