

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
910 State Office Building Portland, OR 97201

HISTORY OF OIL OR GAS WELL

Form to be completed and regulated pursuant to ORS 4201

CER

D Y OIL, INC. ARCO LAVA CREEK 23-22-64

Sec. 22 6N 4W 4.B.M. Survey Coordinates

N 2365.54' E 1877.39' from SW corner sec 22.

Mist County: Columbia

Signature: *Duane Leavitt*
Position: Agent

Date: 10-20-89

Use this form in reporting the daily operations at the well. (Operator may use his own forms, but a copy of this form must also be completed and submitted.) Please submit a complete history of the well. Include such information as bit sizes, mud weights, casing sizes and depths set, amount of cement used, drilling depths, fishing, logging, perforation, and plugging procedures, and anything else pertinent to the operation. Do not include lithology.

- | Date | Well Name | TD | MUD | VIS | Notes |
|----------|---------------------|---------|-----|-------------|--|
| 10-09-89 | LAVA CREEK 23-22-64 | 105' | 8.4 | 50 | Rig up. Drilled out rat hole. Drill out surface w/12 1/4" bit, Drill to 105'. |
| 10-10-89 | LAVA CREEK 23-22-64 | 520' | 8.5 | 48-51 | Drill surface to 230', trip out for plugged jets, drill surface to 509';. Circ hole clean, made wiper trip, lay down D4 9" DC. Drill to 520'. Circ hole clean, trip out, rig up and ran 8 5/8" casig to 520'. |
| 10-11-89 | LAVA CREEK 23-22-64 | 725' | 9.2 | 41 | Rig up and cement surface casing 250sx, to surface. (C.I.P. @ 1:15am). Cut off conductor 18.4' casing, weld on well head, tested well head at 1500psi for 15 min. Nipple up B.O.P., pressure test B.O.P. w/DOGAMI: approved 3:55pm. Drill out cement w/7 7/8" bit. 520' - 599' change shaker. Drill to 725'. |
| 10-12-89 | LAVA CREEK 23-22-64 | 1750 | 9 | 37am - 48pm | Drill to 756' ran survey 4°. Drilled to 1379' losing a little circ. Built volume up, drilled to 1750' w/survey at 1342' 1 1/8°. |
| 10-13-89 | LAVA CREEK 23-22-64 | 2403.11 | 9.4 | 46 | Drilled to 1969', circ sand at 2205', drill to 2155' circ and wipe hole 10 stands, wiper trip to shoe, rig up and ogged well. Pick up pipe to 2155', drilled to 2403'. |
| 10-14-89 | LAVA CREEK 23-22-64 | 2683' | 9.4 | 47 | Drilled to 2683', circ hold clean, wiped hole to shoe, circ clean, P.O.H. for logs. Ran E-logs, R 1 4 w/DC's & DP. Lay down same, break kelly. Put in cement plug at 570'. Clean tanks, trip in to tag plug. |

Date

10-15-89 Lava Creek 23-22-64
TD: 2683' MUD: VIS:
Tag plug, plug soft, wait on cement.

10-16-89 Lava Creek 23-22-64
TD: 2683' MUD: VIS:
Rig down, trip in tag plug at 294' at 12:10pm by DOGAMI. Rig down cut off wellhead,
weld on plate. Released rig.