



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

May 23, 2003

Lori Wrotenbery

Director

Oil Conservation Division

Dalton Bell
811 Bullock Avenue
Artesia, New Mexico 88210

Re: Application to convert to SWD
Smith & Marrs, Inc.
Harbold Well No. 16 API 30-015-25374
Section 35, T17S, R27E, NMPM,
Eddy County, New Mexico



Dear Mr. Bell:

The New Mexico Oil Conservation Division (Division) received your application on May 2, 2003, to convert this well to salt water injection into the Yates Seven Rivers Formation. After a review of this application by our engineering and environmental departments, the following questions arose.

- (1) Please state who the surface owner is and supply to the Division proof of your notice to this surface owner. Our records show this area may be Federal.
- (2) Please be advised that - without other evidence of parting pressures - injection surface pressures will be limited to 0.2psi per foot of depth, which equates to approximately 80psi. Your application states an intention of injecting 80bwpd at approximately 300psi. If you have knowledge that 300psi will be needed to inject water, an alternative well bore will need to be found.
- (3) As required on item XII of the C-108, please supply a signed affirmative statement from a geologist.
- (4) As stated in item VIII of the C-108, please further identify the lithology of the injection interval and of deeper intervals including formation tops. In particular, define what the TDS is of in-situ waters in this interval and in deeper intervals. "Underground sources of drinking water" being defined as less than or equal to 10,000 TDS.
- (5) Please supply a site security diagram of the proposed well site showing all water tanks, well heads, flow lines, controlling valves, gauges, etc. Include everything to be on this surface pad, including wellheads of offset wells.
- (6) Please include a brief history of this well with dates of drilling, completion, and workovers, and names of all electric logs run to date.

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(7) As required on item VI of the C-108, please supply a table of all wellbores within the ½ mile area of review. Include API numbers, well names, footage locations, hole size and casing data, cement types and volumes, cement tops and method of obtaining these cement tops - Temperature survey (TS), Cement bond log (CBL), Circulated (Circ), Calculated (Calc). On all plugged or dry well bores, include a well bore diagram with pertinent history and casing/cement top data.

Due to our Division objectives on permit turn around time and the volume of additional data needed to approve this injection well, we are returning your application. To reapply, please include the requested data with the new application. If notice was not previously given to the surface owner or other offset operator as required, the Division must wait 20 days after receiving a complete application before approval. *15 wvj*

Sincerely,



William V Jones Jr. PE
wvjones@state.nm.us
505-476-3448

cc: Oil Conservation Division-Artesia
Bureau of Land Management – Carlsbad